

The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER



Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3017
VOL. CXXVII

DECEMBER 4, 1937

Annual Subscription (with
Diary) 20/- Single Copies 9d.



*Worth recommending
Worth selling*

Allenburys BEEF JUICE

is made from selected **British Beef**. It is of high nutritive value and exceedingly palatable. Reasonable in price to the public and yielding an adequate profit to the retailer—it is the beef juice every chemist should recommend.

Retail price 1/9 and 3/- per bottle.

ALLEN & HANBURY'S LTD

L O N D O N · E · 2

Telephone:
3201 Bishopsgate (12 lines)

Telegrams:
"Greenburys Beth London"

A SOUND PROFITABLE LINE

*Well worth
your attention*

Send
for
Terms



Euthymol

PARKE, DAVIS & CO., 50, BEAK ST., LONDON, W. 1.

THE NEW BIOLOGICAL REMEDY FOR VARICOSE VEINS

Elasto

REGISTERED

Tablets



1'3 Profit on every sale

National Press Advertising has made vast numbers of the general public keenly interested in Elasto. The interest can now easily be turned into sales and profit for you by showing Elasto prominently.

Further—the enormous satisfaction your customers will get justifies your recommendation. They will appreciate it. Show material free for the asking.

Retail 5/- per box (one month's supply).

Wholesale 45/- per doz. P.A.T.A.

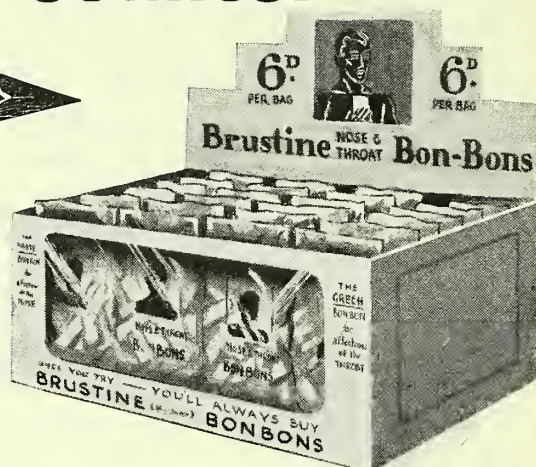
The NEW ERA TREATMENT CO. LTD.
CECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1

Is this display outer selling from your counter

This new display outer containing 2 dozen 6d. transparent bags of 'Brustine' Bon-Bons—all ready to hand over—will take up little room on your counter and prove a first-class salesman.

You have now the choice—ready packed or loose—6d. per bag, or 6d. per qtr.—both showing you

50% PROFIT ON COST



Brustine NOSE & THROAT Bonbons BRAND



Loose in 7-lb. tins packed in cases of 28 lbs. with free bags (holding $\frac{1}{4}$ lb.). Attractive display material.

Each sweet wrapped separately. The finest winter line you can handle. Wherever 'Brustine' have been introduced repeat business has been automatic.

ORDER AT ONCE

● **NOW**

**READY PACKED OR
LOOSE**

BRUSTOC LTD.
WINWICK ST., WARRINGTON

Distributors for Yorkshire
HIRST, BROOKE & HIRST Ltd.,
Sheepscar Works, LEEDS

Distributors for Manchester and East Lancs.
D. MAWDSLEY & CO.,
Riga Street, MANCHESTER

WE'RE TELLING THE PUBLIC—

COD LIVER OIL
is the only liver oil with a pedigree
of proved achievement behind it

SEVENSEAS
COD LIVER OIL

IS THE **FIRST** PALATABLE, HIGH POTENCY
LOW PRICED COD LIVER OIL

A POWERFUL advertising campaign is promoting "SevenSeaS" Cod Liver Oil throughout this winter. Cod Liver Oil is the only liver oil recommended by the Ministry of Health and the League of Nations Nutrition Committee. You can cash in on the great name it has for building up health and resistance to disease by selling "SevenSeaS." Its palatability overrules the old objection of taste. Its high potency makes only a few drops necessary. All your customers can afford it. Get in your supplies now.

Trade terms of 33 $\frac{1}{3}$ %, and the inclusion of "SevenSeaS" both on the Chemists' Friends List and the P.A.T.A. Protected List add the final reason why no chemist can afford to overlook "SevenSeaS" Cod Liver Oil.

★"SevenSeaS" 'HIGH POTENCY'
is guaranteed to be pure cod liver oil to
which nothing has been added, and which
has not been treated in any way to increase
the natural potency of the original oil.

RETAIL PRICES:

HIGH POTENCY OIL (only 5 drops necessary)	1/3 bottle
HIGH POTENCY CAPSULES (25 capsules)	1/6 bottle
" " (50 capsules)	2/9 bottle
" " (100 capsules)	5/- bottle
"B.P." STANDARD OIL	10d & 1/3 bottle



BRITISH COD LIVER OIL PRODUCERS (HULL) LTD., ST. ANDREW'S DOCK, HULL, ENGLAND

How **this** once-a-year
dog medicine....



Sells **this** once-a-week
dog treatment....



And **this** once-a-day
dog food supplement...



● Your dog-owning customers buy a worm medicine perhaps once a year. Yet you can make that single purchase draw a whole chain of sales for two big, profitable sellers.

This remarkable sales link is a discovery of Cooper, McDougall & Robertson. And this is how it works.

Coopers are telling dog owners, through the Dog Papers, the remarkable facts about the causes and treatment of worms. Dogs get worms in two ways.

1. Fleas carry 87 per cent of tape-worm infection. Keep away fleas and you greatly reduce the chances of tapeworm. To destroy all fleas, lice and ticks dust the dog's coat with *Pulvex*. *Pulvex* is a truly remarkable insecticide. It doesn't merely stupefy the vermin like other preparations; it really kills

them. And it actually keeps the dog flea-proof for a whole week.

2. Scavenging is the main cause of roundworm. Dogs get roundworm by eating excreta. They develop this habit because they lack certain mineral salts. You can give them these essential salts by adding *Cooper's Vitamin Ration* to their food once a day. *Cooper's Vitamin Ration* contains calcium, phosphorus, magnesium, iron and vitamins A, B and D. It stops scavenging and prevents roundworm.

So, when a customer asks for a worm medicine, first sell him *Cooper's Liquid Worm Remedy*, a recognised specific, and then tell him how *Pulvex* and *Cooper's Vitamin Ration* can save his dog from repeated worm infection. Your profit on these two products per customer per year is 9 times what you

get on a worm remedy alone.

And remember that there are nearly three million dogs in the country—every one a possible regular user of these two profitable Cooper products.

Write up for any further particulars you may require about *Pulvex* and *Cooper's Vitamin Ration* and how they are used in the *Cooper Health Routine*. Enormous interest is being aroused among thousands of dog breeders by weekly advertisements which explain this remarkable new treatment. Turn this interest in your direction by showing the products on your counter and in your windows. Start now to develop a very small side of your business into a big money-making department.

And here are the

3 PROFITABLE LINKED LINES in the COOPER HEALTH ROUTINE now being

advertised in leading Dog Papers

1. COOPER'S LIQUID WORM REMEDY.

Small dogs 1/3.
Larger dogs 2/6.

2. PULVEX VERMIN POWDER

6d. and 1/3.

3. COOPER'S VITAMIN RATION

1/6 and 2/9.

TRADE TERMS—less 33½% and less 5% cash monthly.



COOPER, McDOUGALL & ROBERTSON LTD., Berkhamsted, Herts.

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[Continued overleaf.]

QUALITY SERVICE EFFICIENCY



The House for DRUGS, GALENICALS,
SURGICAL INSTRUMENTS, PATENTS
and SUNDRIES

We invite your patronage...

HOUGH, HOSEASON & CO LTD

Head Office & Showrooms: BRIDGE STREET, MANCHESTER, 3

'Phone: DEANS GATE 4744 - 'Grams: SALICYLATE, MANCHESTER

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CAMPHOR PURE B.P.

FLOWERS SLABS TABLETS

CAUSTIC POTASH (Sticks, Pellets and Flakes)

MENTHOL Synthetic Recryst.

TERPINEOL, LICINOL, THYMOL Cryst. B.P.

STOCKS IN LONDON

Telephone :
Holborn 9345 (5 lines)

Telegrams :
Scheroph, Phone, London

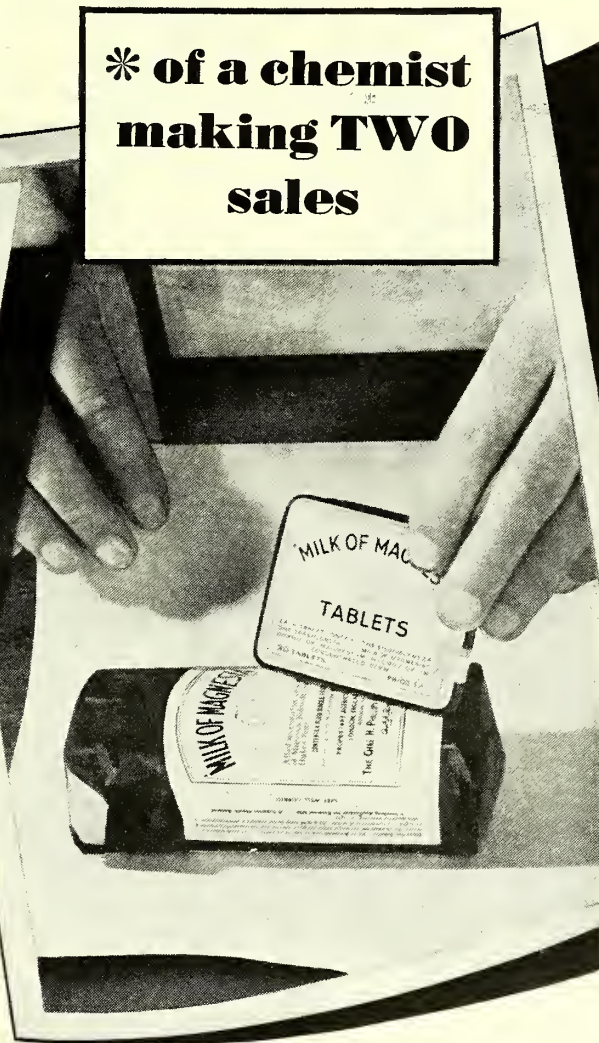
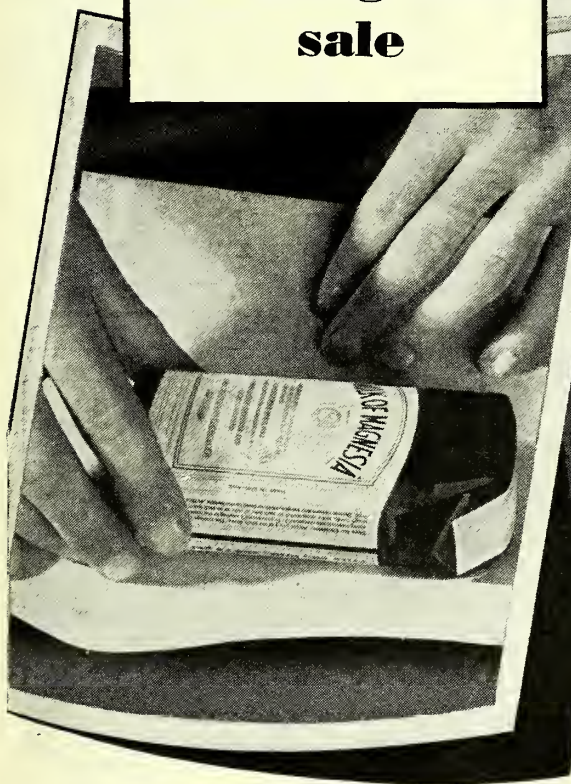
SCHERING LIMITED

185-192, HIGH HOLBORN, LONDON, W.C.1

Picture

*** of a chemist
making ONE
sale**

*** of a chemist
making TWO
sales**



Hand in hand — that's the way "Milk of Magnesia" (liquid), and "Milk of Magnesia" Tablets go. *And that's the way they can be sold too!*

When a customer asks for "Milk of Magnesia," suggest that she takes along a box of the tablets also. Tell her that these tablets each contain the equivalent

of a teaspoonful of "Milk of Magnesia" in concentrated form, they are easy to take, ideal to carry in the pocket or purse, and bring safe and quick relief in all stomach upsets.

You'll find it easy to make two sales where you formerly made one.

PROPRIETARY AGENCIES LTD., 179 ACTON VALE, LONDON, W.3

 "Milk of Magnesia" is the registered trade mark of Phillips' preparation of Magnesia

Meeting the demand for MODERN DENTURE CLEANSING

Attractive Show-card 10" x 6" in deep blue and red-brown for window or counter.



Display the Sanident showcard and recommend this effective new method of cleansing and sterilising Dental Plates. Sanident is definitely antiseptic and contains no acids or abrasives to harm the composition of the dentures.

Sanident is attractively packed and labelled. It is efficient and economical in use—a bottle-capful in sufficient warm water to cover them removes all stains and food deposits, softens tartar and completely sterilises dentures overnight. Each "first sale" makes a regular user.

SANIDENT

Regd.

1 1/3
RETAIL

TRADE PRICE:

9/- per dozen

THORNTON & ROSS LTD., Linthwaite, HUDDERSFIELD

T.R.39

The razor for the connoisseur



This razor which takes any type of double edge wafer blade is a sound selling line. Furthermore its use with Eclipse Super Blades gives that high degree of Shaving Comfort which earns for the dealer an indisputable reputation for quality.

Retail Prices:—
10/6, 5/6, 3/6
Blades 5 for 1/8

Eclipse

**RAZORS
and BLADES**

Obtainable from your usual Wholesaler
or direct from the Sole Manufacturers:

JAMES NEILL & CO. (SHEFFIELD) LTD., SHEFFIELD 11.
E. 125

Armstrong's

TAPER  CORKS

ARMSTRONG CORK CO. LTD.
KINGSBURY, LONDON, N.W.9.

N.H.I. DISPENSING CORKS

SPECIAL OFFER

50 Gross 6 and 8 oz. for 20/-

Sent carriage paid anywhere in United Kingdom
on receipt of cheque or postal order

ORDER WHILST STOCKS LAST!

Sample sent post free willingly

THOMAS SWALES

St. Stephen's Road, LEEDS 9

"SWALES for SUNDRIES"

Some COTY Coffrets *already sold out!*

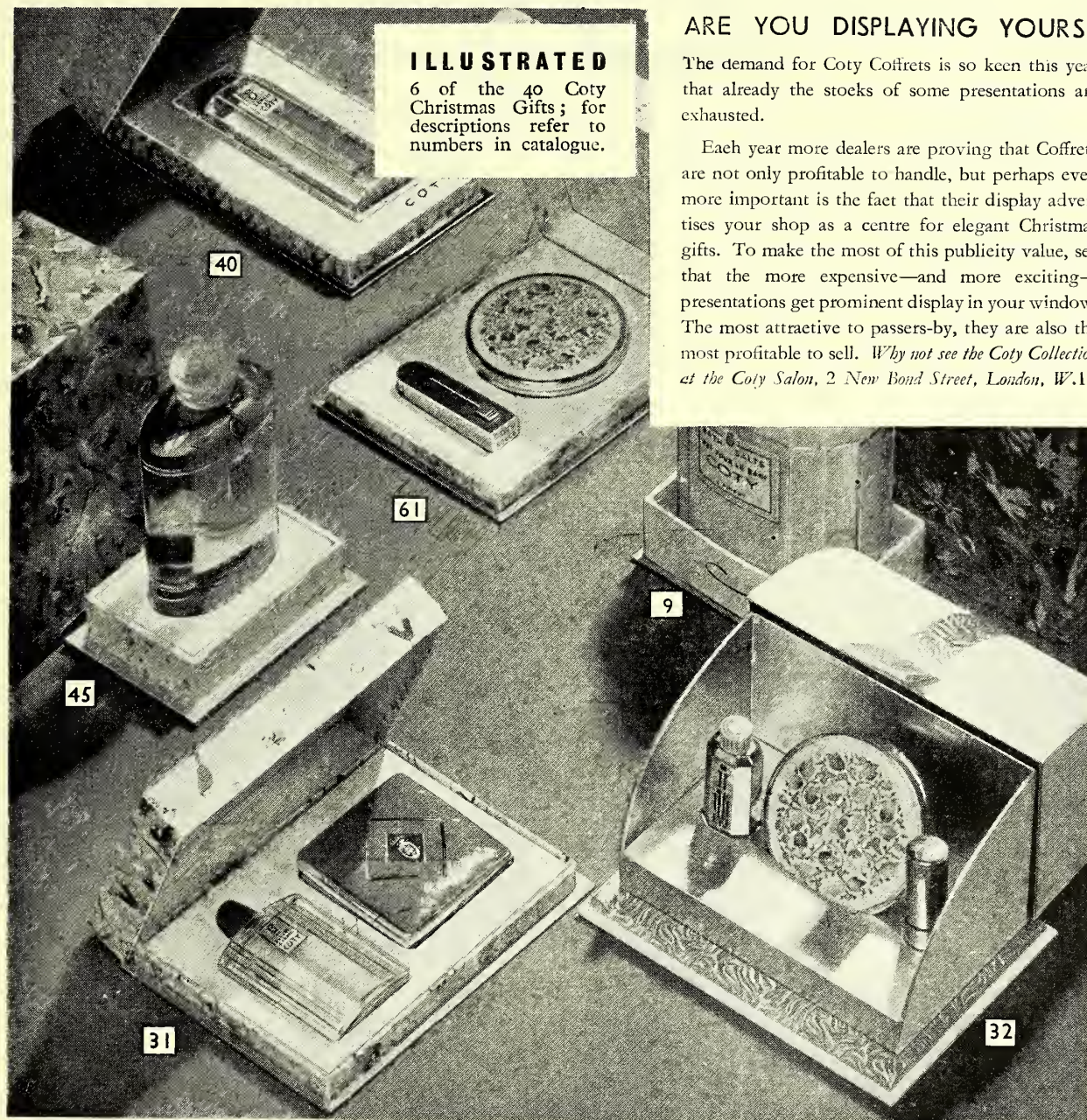
ILLUSTRATED

6 of the 40 Coty Christmas Gifts; for descriptions refer to numbers in catalogue.

ARE YOU DISPLAYING YOURS?

The demand for Coty Coffrets is so keen this year that already the stocks of some presentations are exhausted.

Each year more dealers are proving that Coffrets are not only profitable to handle, but perhaps even more important is the fact that their display advertises your shop as a centre for elegant Christmas gifts. To make the most of this publicity value, see that the more expensive—and more exciting—presentations get prominent display in your window. The most attractive to passers-by, they are also the most profitable to sell. *Why not see the Coty Collection at the Coty Salon, 2 New Bond Street, London, W.1?*



Make it a COTY Christmas

WE COULD HAVE BEEN
FIRST
BUT PREFERRED TO BE
PERFECT...



DRY-shaving has reached maturity with the advent of the CLIP-SHAVE—not the first, but the only perfected Electric Dry-shaver. Not launched to start a vogue but the result of years of experimentation towards perfection.

And the CLIPSHAVE is being

**NATIONALLY ADVERTISED
ON A BIG SCALE**

There's a big market awaiting the CLIPSHAVE and courageous advertising will reach that existing market and create new sales openings.

QUICK FACTS for the CHEMIST

OREL
Clipshave
BRITISH PATENT NO. 469972
THE Perfect ELECTRIC DRY SHAVER

The CLIPSHAVE can be used on A.C. or D.C. mains, any voltage.

All types of hair, long or short, coarse or fine, can be clip-shaved skin-close without tugging or scraping.

Does not coarsen hair, IDEAL FOR LADIES' USE

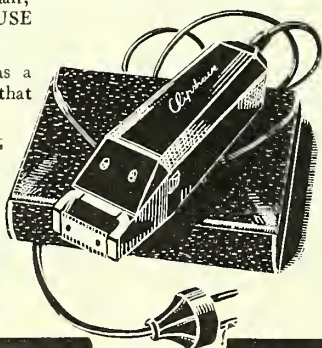
It cannot cut or nick.

The vibratory action has a definite massaging effect that tones up the skin.

It cleans itself and cannot clog. **GUARANTEED FOR ONE YEAR.**

Retails at 3 guineas complete with unkinkable flex and rubber plug, in wallet.

Sales Aids Free.



JUST IN TIME FOR CHRISTMAS IF YOU HURRY

Obtainable from leading wholesalers and factors or write direct to:

OREL-MICRO ELECTRIC LTD.

Dept. C.2,

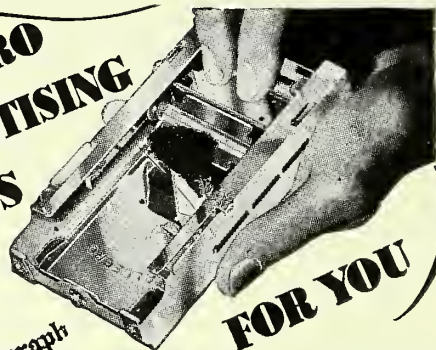
39-41 Berners St., London, W.1

**ALLEGRO
ADVERTISING
SELLS**

PUNCH
The Daily Telegraph
Evening Standard

STRAND
MAGAZINE

WIDE WORLD



FOR YOU

Advertising for the "Allegro" Razor Blade Sharpener is in the papers shown on the left—papers that men read and respect. Straight Razor users, too, find details of the wonderful "Allegro" Flexible Strip. Sell "Allegro"—backed by National Advertising. Have a sample on your counter to demonstrate.

Heavily nickel-plated "Allegro Standard" 21/-, "Allegro Junior" 8/6, sharpener for straight razors—sets and hones, "Allegro Flexible" 9/-.

From all wholesalers.

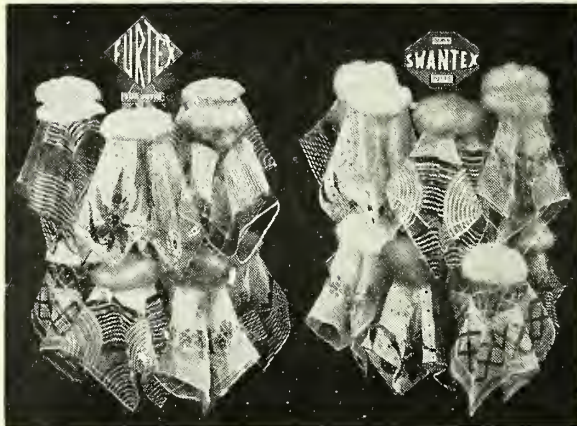
Allegro
Swiss Manufacturers

THE NATIONALLY ADVERTISED SHARPENERS

Condrup Ltd.

(Sole Agents)

77/78 Fore Street, London, E.C.2



**XMAS PRESENTS New
OPPORTUNITIES for PROFIT**
with this Magnificent Display ★

Here's something your Christmas customers cannot resist. These dainty SWANTEX and FURTEX Puffs, in their pretty printed Silk Hankies, are just the things to appeal as presents—for their friends or for themselves. And NOW is the time to anticipate the coming Xmas trade. So be sure you get YOUR share of the generous profits from these Puffs.

FURTEX

**Super Fur
HANKY PUFF**

In Luxury Silver-Covered Display Boxes of One Dozen

Retail: 1/-, 1/6, 1/11, 2/6, 2/11 each
Cost Price: 8/-, 12/-, 15/-, 20/-, 25/- per doz.

SWANTEX

**Super Down
HANKY PUFF**

In Luxury Gold-Covered Display Boxes of One Dozen

★ **FREE!** Write for particulars of Special Free Offer of this fine BLACK AND CHROMIUM DISPLAY STAND, with two tiers of Sprays to display one dozen puffs.

Sole Manufacturers:

Order from your usual Wholesaler.

N. & F. KAHN, 11-13 Pentonville Rd., London, N.1

EXPANDING BUSINESS

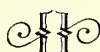
necessitates the appointment of

THREE ADDITIONAL REPRESENTATIVES

Applications are invited from experienced travelling salesmen to fill three additional appointments to the Sales Staff of J. & E. Atkinson, Ltd., Perfumers.

The appointments are necessitated by steady and rapid increase of sales as a result of sound and extensive national advertising and offer to suitable men prospect of advancement.

Applicants should be between 25-30 years of age; of good education and appearance. Outside selling experience is essential and no application will be considered from men without previous travelling experience. Preference will be given to perfumery salesmen. Applications, which will be treated in strict confidence, should be made in writing and should include a full record of age, education and experience, together with details of areas recently covered and remuneration earned.



ATKINSONS, 24, OLD BOND STREET, LONDON, W.1



Secondly **NUFIX EFFICIENCY**

A proprietary created primarily for MEN must in every respect conform to the very exacting standard of efficiency demanded by the present-day consumer. Nufix superior quality, its efficiency in maintaining a healthy scalp and promotion of hair growth, are established facts. Admittedly, for a well-groomed appearance *Nufix excels*. But—the efficiency of the container is equally important. It must be hygienic and germ-proof, yet constructed to allow for an even flow of Nufix summer and winter. The Nufix modern wide-necked bottle has been scientifically designed to meet these exigencies. Nufix is known as the faultless hair dressing. Neither trouble nor expense have been spared in evolving a bottle and tube equally entitled to the appellation “faultless.”

NUFIX
THE FAULTLESS HAIR DRESSING

● This is the second advertisement of a series of 4 outlining the “Nufix” policy.

Sole Makers: Walden & Co. (Nufix) Ltd., Nufix Works, Rookery Way, London, N.W.9



WATCH FOR THEM
IN—

London Evening Standard
Sunday Express
Sunday Dispatch
Sunday Chronicle
Sunday Times
Sunday Bull
John Bull
Sunday Mail
Sunday Post
Sunday Weekly Herald
Glasgow Field
Scottish Tit-Bits
Tablet

WATCH SALES SOAR!

WATCH YOUR STOCKS!

New National Advertising Campaign
to consolidate the success of **MORNING PRIDE**

"Morning Pride" has taken premier place in the shaving cream market. First in public favour "Morning Pride" is second to none in rapidly increasing sales.

Look to your stocks and be sure of your share of profits from this new wonder shaving cream.

MORNING PRIDE

REGD.

THE RAZOR READY BRUSHLESS SHAVING CREAM

PRODUCT OF FAIRY DYES LTD., PHARMACEUTICAL DEPT

For particulars of attractive Initial Order terms write

SOLE DISTRIBUTORS · FASSETT & JOHNSON LTD

86 CLERKENWELL ROAD, LONDON, E.C.1



Every Chemist should stock Reid's

BAMYL

Pine Tar

Shaving and

Toilet Products

REGD.

- | | |
|-------------------------|-----|
| Shaving Soap (Bakelite) | 1/- |
| " " (Refill) | 9d. |
| " " "Junior" | 6d. |
| Shaving Cream, tube | 1/- |
| Shampoo (non-spirit) | 1/- |
| Skin Soap, per tablet | 6d. |
| Balsamic Skin Soap | |
| (full strength Tar) | 6d. |

All Shaving lines are
Mentholated at same rates.

**DIFFERENT + ANTISEPTIC +
ATTRACTIVE** + also great favourites
with the Medical Profession.

PROFIT MARGIN **33¹⁰/₃**

Full range of Showcards, Display Cases,
Pamphlets, Samples, sent gratis on application.



Sole Makers: **THOMAS REID & SONS, LTD., GLASGOW** Estd. 1868

Sole Agents wanted for Overseas Trade

BOTTLE BOXES

of all kinds

PACKING CASES, CRATES, DRAINERS, etc

HENRY HADFIELD, Ltd.

South Accommodation Rd., HUNSLET, LEEDS, 10

*Phone
24070 LEEDS

*Grams:
PACKING PHONE,
LEEDS



“Dear Mr. Waide.”

It occurred to us that you might be interested to know what other people think about us, so here are a few extracts from recent letters.

“I have nothing but admiration for the idealism and enthusiasm which you attach to business and I only wish more people would hold the same ideals and practise them as you do.”

“Whilst I am writing it is perhaps not out of place for me to mention the highly satisfactory service and quality of work we have always received from you, and for honourable dealing, although your firm may be equalled, I am sure it cannot be excelled.”

“It is impossible not to be impressed by your sincerity and enthusiasm and we are quite confident that all printing entrusted to you will receive the same care in design and reproduction as the booklet.”

“The folders are delightful and strike that quality note which I particularly wanted, and if future jobs give me as much satisfaction as these folders I can see we are going to get along very nicely.”

“We do appreciate your extremely good work and your most obvious desire to be of real service to us.”

“This booklet seems to be a very striking example of one of your own precepts—the desire and the determination to do the job for the love of it—everybody here is delighted with the job.”

“Many thanks for the label suggestions. We think these are excellent and the colour scheme in particular harmonises extremely well with the display material.”

“You are certainly living up to your reputation for good work. The folders are splendid.”

“Congratulations on the good work you are doing. We are full of admiration for the job you have turned out for us.”

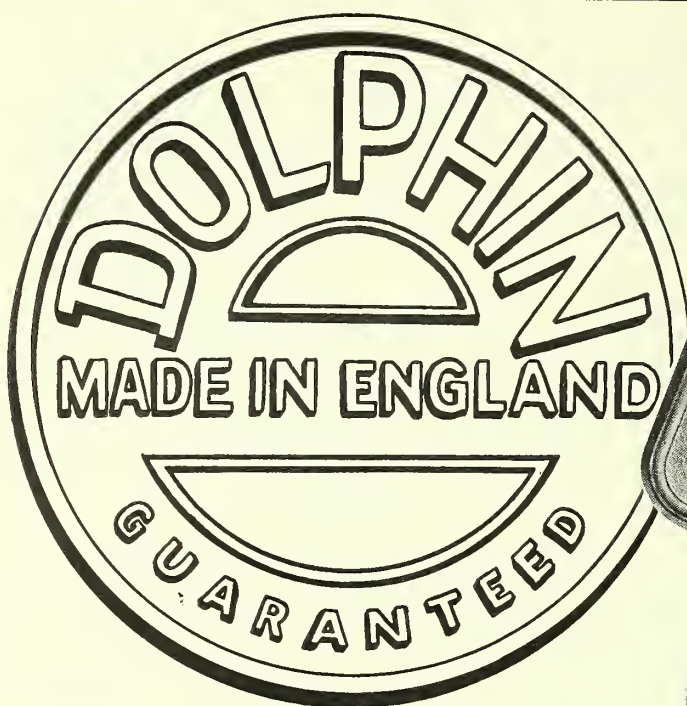
“This is a most unusual production and one of those truly delightful jobs which do not often come one’s way these days. We shall look forward to your next effort with great interest.”

“Even a cursory glance is quite sufficient to show the skilful work you have put into this job.”

“I appreciate your valuable co-operation tremendously, and I would like to congratulate you on the most interesting suggestions you have submitted.”

“It is always a pleasure to handle work of this description because it is so extremely good.”

for helpful printing see **WAIDE’S**



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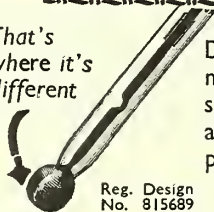


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PAINLESSLY**

WHAT DESOL IS:—

DESOL is ANTISEPTIC, containing Iodine and Antiseptic Oils, it is perfectly SAFE under all conditions. Sterilises the wound, is NON-INFLAMMABLE and does not smart when applied. DESOL saves time—saves pain—saves money.

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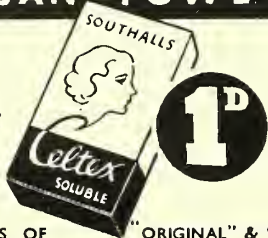
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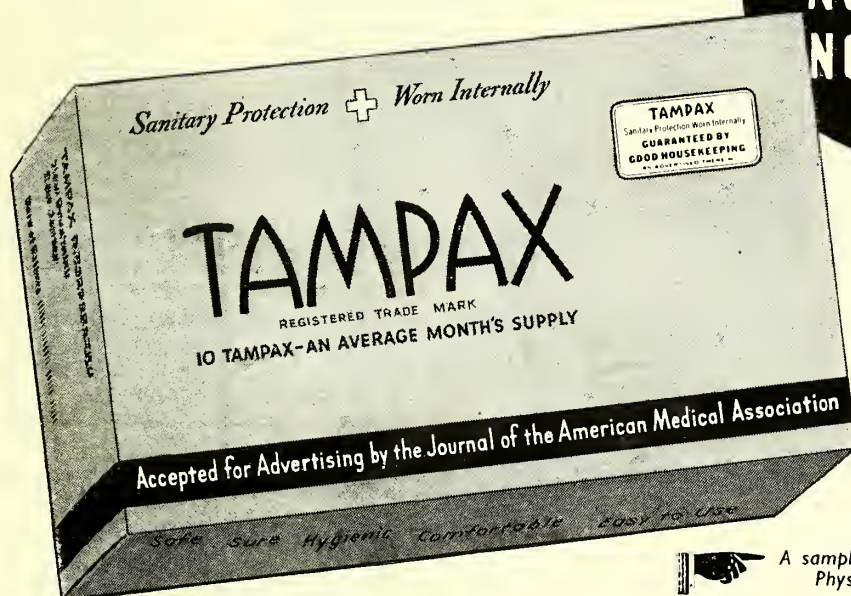
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A sample package of three will be sent to Physicians and Chemists on request.

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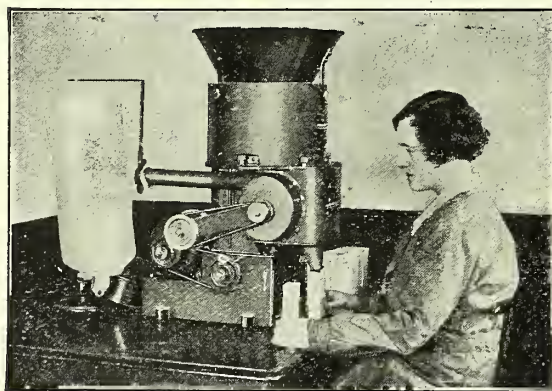
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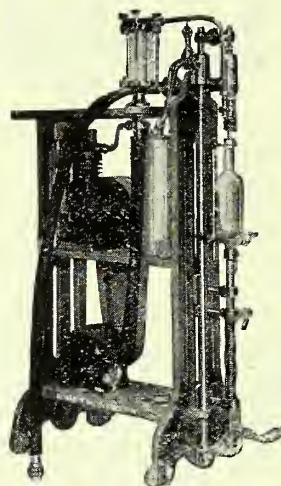
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Send for swatches of more than fifty other papers in stock.

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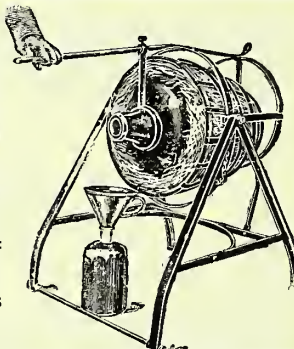
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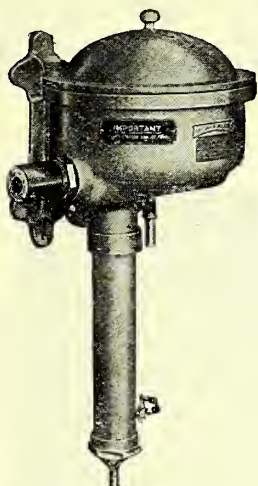
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The Carboy can be tipped
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Output, 3 pints per hour

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Machines & Water Stills are
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Whichever suits you better

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GAS OR ELECTRICALLY HEATED

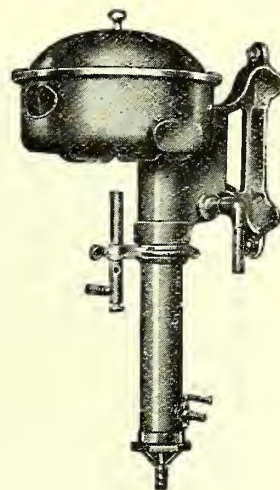
The necessity for Distilled Water is more apparent than ever and, whatever your needs, the Manesty Automatic Water Stills will best meet them.

We make eleven different models of Manesty Water Stills producing from 3 pints to 50 gallons of chemically pure distilled water every hour.

The two models shown herewith give an alternative method of heating—gas or electricity—whichever suits you better.

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Output, 3 pints per hour

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PROPRIETORS: THOMPSON & CAPPER WHOLESALE LTD

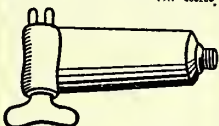
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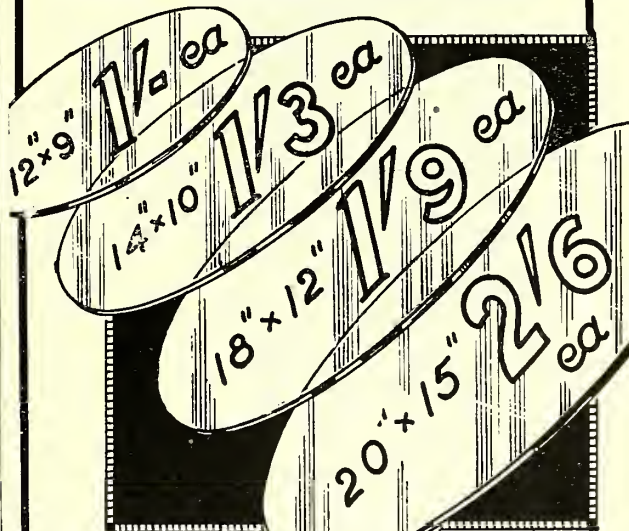
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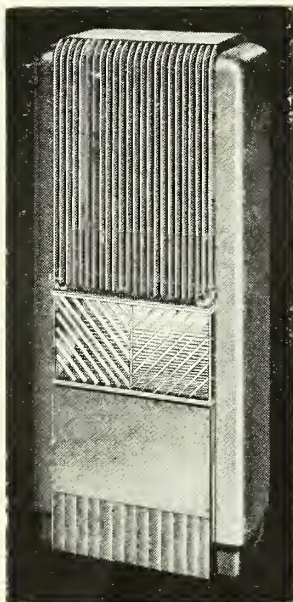


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SPACE HEATING BY GAS



THE "LUMA" GAS HEATER

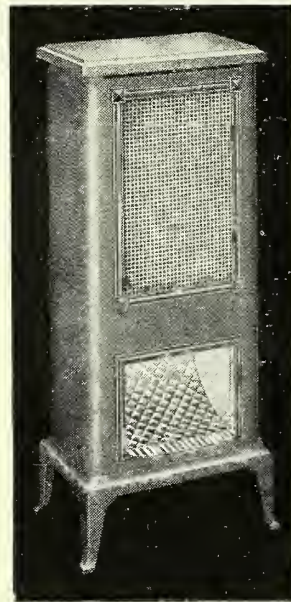
The "Luma" Heater is an outstanding development in heating by gas. The advantages of radiant and convected heating are combined in this appliance. A pre-determined proportion of the heat is given out as radiation, and the atmosphere of the room is quickly brought to a comfortable temperature by the stream of warm air drawn through the body of the heater.

This heater gives 100% efficiency, and even when connected to a flue the efficiency is 80%—a truly remarkable achievement in gas appliance designing.

The "Luma" casing has been constructed on such a principle that the exterior is cool thus permitting the heater to stand against a panelled or painted wall.

The "Luma" Gas Heater is designed on unique lines and will suit any and every position. Four attractive colour finishes afford a choice to harmonize with any scheme of decoration.

The "Console" Cabinet Radiator is another design constructed to give maximum heating efficiency and the diffusion of a soft pleasant warmth. The attractive lines of the "Console" together with the wide choice of finishes make it a particularly suitable heater for warming shops, showrooms, stockrooms, etc. The "Console" is made in 6 sizes, giving a choice of three heights and two widths.

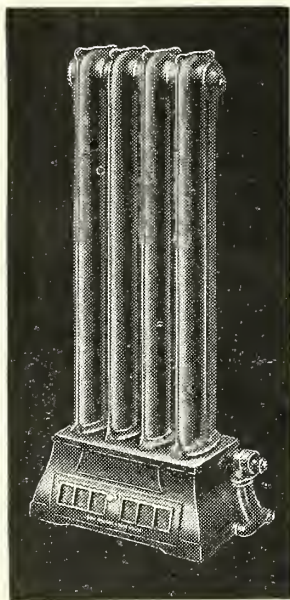


THE "CONSOLE" RADIATOR

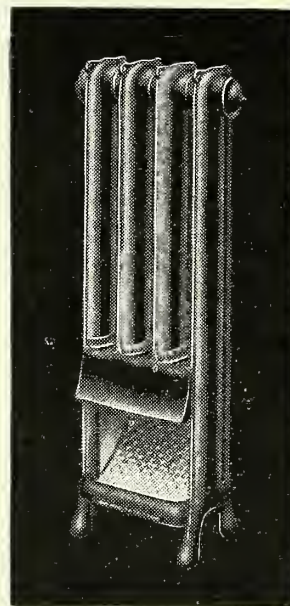
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Shops and stores all over the country have installed Wright's Gas Radiators (Loop design) and ensure comfortable warmth for customers and staff. One of the outstanding advantages of Wright's Gas Radiators is that these radiators need no attention from the moment they are lighted. The 'Regulo' automatic control keeps the radiator at an even temperature, and also ensures that only a minimum of gas is used.

All who are interested in shop heating should write for a copy of "Gas Heating," a book of information, profusely illustrated, showing a variety of designs in Wright's Gas Radiators.



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"Silver Fox" No. 20 is the standard grade for chemical plant; No. 22 is resistant to weld decay; and should be used for large welded tanks and vessels.

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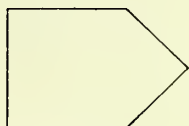
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'WELLCOME' BRAND

BISMUTH CARBONATE

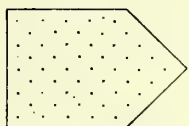
Possesses the properties most essential to trouble-free dispensing

(1).



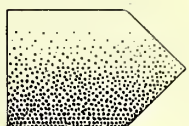
PURITY.—Of a higher standard than is defined by the B.P. Notably low in lead and nitrate content (less than half the permissible limit).

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for RETAILER - WHOLESALE - MANUFACTURER

The official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in Overseas Dominions

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AMSTERDAM-C. HOLLAND: PLANTAGE FRANSCHELAAN 37

News of the Week

Key Industry Duty Exemption

The Treasury have made an Order under Section 10 (5) of the Finance Act, 1926, exempting dinitro-orthocresol from Key Industry duty from December 8, 1937, until December 31, 1938.

Import Duties Committee Notices

Under the Import Duties (Exemptions) (No. 13) Order, 1937, dated November 29, 1937, Solid Insoluble QUEBRACHO EXTRACT has been removed from the Free List under the Import Duties Act, 1932, as from December 1. Importations will therefore now be liable to the general *ad valorem* duty of 10 per cent.

The Committee announce that they have decided not to make any recommendation in respect of the application previously advertised for an increase in the import duty on potassium and sodium ferrocyanides.

Pharmacy and Poisons Act, 1933

(From "The London Gazette," November 30, 1937)

Notice is hereby given that on November 2, 1937, the Secretary of State for the Home Department, after consultation with the Poisons Board, made an Order, entitled The Poisons List (Amendment) Order, 1937, under Section 17 (5) of the Pharmacy and Poisons Act, 1933, amending the Poisons List, being the list of the substances which are to be treated as poisons for the purposes of the Act; and further that the Secretary of State has made Rules entitled the Poisons (Amendment) Rules, 1937, under Section 23 of the Pharmacy and Poisons Act, amending the Poisons Rules, 1935.

Copies of The Poisons List (Amendment) Order, 1937, (S.R. & O. 1937, No. 1029) and of the Poisons (Amendment) Rules, 1937 (S.R. & O. 1937, No. 1030) may be purchased, price 1d. each net, directly from His Majesty's Stationery Office, at the following addresses:—Adastral House, Kingsway, London, W.C.2; 120 George Street, Edinburgh 2; 26 York Street, Manchester 1; 1 St. Andrew's Crescent, Cardiff; 80 Chichester Street, Belfast; or through any bookseller.

Home Office, Whitehall.

November 29, 1937.

[The text of the draft List and Rules was printed in our issue of July 31 (p. 115). An alteration from the wording of the draft Rules has been made in Schedule A, opposite the entry "Sodium ethyl mercurithiosalicylate": the corresponding words in the right-hand column are now "Therapeutic substances containing less than 0.1 per cent. of sodium ethyl mercurithiosalicylate as a preservative."]

Chemists' Mutual Insurance Co., Ltd.

In the fifteenth annual report of the Chemists' Mutual Insurance Co., Ltd., the directors announce a third bonus distribution for the coming year in the form of a 10 per cent. bonus deduction from all renewal premiums during the year. It is stated that premiums are 20 per cent. below normal tariff rates. The past year has been financially successful;

after providing for tax demands the funds have increased by £3,775 3s. and now stand at £36,258 10s. Claims have been higher than usual, although still below the average for insurance companies. Reserves amounting to £3,450 have been added to the funds of the respective revenue departments, and substantial transfers have been made to the profit and loss account. The latter also received sundry commissions amounting to £544 13s., and has been credited with £483 17s.

The fifteenth annual meeting was held at 4 and 5 Queen Square, London, W.C.1, on November 24. The chairman (Mr. W. W. Atkinson) submitted the directors' and auditors' reports, together with the statement of accounts. He said members would agree that it was a most satisfactory report, and drew attention to various features. He emphasised the fact that the current year was a bonus year. The adoption of the reports was carried unanimously, and the retiring directors were re-elected.

Proprietary Articles Trade Association

We are advised by the Proprietary Articles Trade Association, 43 Gordon Square, London, W.C.1, of the following alterations in the Protected List. The retail and wholesale selling prices quoted below are the minimum selling prices fixed by the manufacturers and protected by the P.A.T.A.:—

ALTERATIONS.—Bayer Products, Ltd.: Bayer "Aspirin" Tablets. Special introductory bonus terms available until January 31, 1938, in return for fourteen days' window display. In addition to the bonus terms already in operation, retail chemists will receive thirteen to the dozen on minimum of one dozen of any packing. Fourteen to the dozen on minimum of three dozen of any packing or a bonus of six 25 by 5 gr. on mixed orders for 12, 25 or 100 by 5 gr. to total net value of 24s. A discount of 2½ per cent. for cash will be allowed in addition to the terms in kind on all aspirin orders to the net value of 30s., or 5 per cent. on orders to net value of £3. Oystrox, Ltd.: Oystrox Brand Tablets, 3s. 6d., 30s. 3d. dozen; 3 dozen, 29s. per dozen; 6 dozen, 28s. 7d. per dozen; 12 dozen, 28s. per dozen. Reckitt & Sons, Ltd.: "Dettolin" Gargle and Mouthwash, 1s. 3d., 10s. 6s. dozen, less 2½ per cent. cash in fourteen days. Further 5 per cent. on assorted orders Dettol, Dettol Cream and Dettolin, value £2 10s., carriage paid.

Blackburn

At the annual dinner, whist drive and dance of the N.E. Lancashire Branch of the Pharmaceutical Society at Blackburn Public Hall on November 25, Mr. H. H. Atherton, Blackburn, presided, supported by Capt. G. S. Elliston, M.P., Mr. T. Guthrie, Glasgow (vice-president, Pharmaceutical Society); Mr. J. W. Tristram, Liverpool (a member of the

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N.P.U. Executive); Mr. E. A. Eccles (branch vice-president); Mr. F. Gillibrand (secretary); and Mr. R. Stephenson (treasurer). Messrs. H. Carter, J. Gillett, L. Mossop and R. Turnbull were M.C.s. The company received a welcome from the Mayor, who was accompanied by the Mayoress. Mr. Arthur Dobson, Blackburn, a member of the N.P.U. Executive and past-president of the Pharmaceutical Society Branch, in proposing "Our Guests," said they were deeply conscious of the assistance Captain Elliston, M.P., had given at all times to the medical and pharmaceutical services. He mentioned that the proceeds of the dinner were for Blackburn Infirmary. Captain G. S. Elliston (senior M.P. for Blackburn), in reply, said that in an advisory capacity the Pharmaceutical Society was often of great assistance to Government departments, which had recently secured the co-operation of members in the national campaign for health and physical fitness. All classes of the community were indebted to the Society for enforcing high standards of honour and efficiency. Mr. E. A. Eccles (branch vice-president), proposing "The Pharmaceutical Society," said Branch members were anxious to have a little inside informa-



GROUP AT BLACKBURN & DISTRICT PHARMACISTS' ANNUAL BANQUET.—Back row (left to right): Mr. H. Carter (President of the Association); Mrs. Carter; Mr. Gillett; Mrs. Eccles; Mr. E. A. Eccles, Oswaldtwistle (Vice-President, North-East Lancs Branch of the Pharmaceutical Society); Mrs. Dobson; Mr. A. Dobson (Past-President, North-East Lancashire Branch and Chairman, N.P.U. Branch). Front row: Mrs. Gillett; Captain Elliston, M.C., M.P.; the Mayoress (Mrs. Fryars); the Mayor (Ald. J. Fryars); Mr. H. H. Atherton (President N.E. Lancs Branch); and Mr. T. Guthrie (Vice-President, Pharmaceutical Society).

tion regarding what he might describe as "a storm in a teacup," details of which they had read in the trade Press.

Mr. T. Guthrie (vice-president Pharmaceutical Society), responding, said he saw no sign of "a storm in a teacup" that evening. There had been things which had grated on the sensitiveness of a good many of their members during recent years, but the Council of the Society had known the whole time that the solid sense of membership was behind them in their efforts to keep up the high standard of the profession. Mr. Guthrie said the Council had been asked to pass a resolution supporting the setting up of a committee to inquire into questions as they affected non-members of the Society. The Council refused to do this. They felt that if they were to do so it might be regarded as a reflection upon the N.P.U., which had, for the last seventeen years, vigorously and ably handled National Health Insurance negotiations. Instead, they passed a resolution suggesting to the N.P.U. that a joint committee of the Society and the Union should consider together National Health Insurance questions affecting chemists. In Edinburgh they would find a city where, for generations, a question which still vexed the South had been solved. Doctors and chemists were on the best of terms, and each stuck to his own job. Mr. H. Carter (president, Blackburn and District Chemists' Association), submitting "The National Pharmaceutical Union," referred to the national health campaign launched on October 1. The importance of the dentist and the nurse had not been overlooked, but they looked in vain for a reference to the pharmacist and to his contribution in national health affairs. Things had come to a sorry pass for the chemist and druggist when a review of the National Health services so exhaustive and comprehensive was considered complete without mention of the work which the pharmacist had accomplished. Even in the B.M.A. booklet entitled "A General Medical Survey for the Nation," the part devoted to pharmacy was sketchy in the extreme.

Blackpool

The president (Mr. S. C. Coope) and Mrs. Coope welcomed a record number of members and friends to a whist drive, dinner and dance held by the Blackpool Branch of the Pharmaceutical Society on November 17. The guests came from all parts of Lancashire and included Councillor W. Hammond (deputy Mayor of Blackburn). During dinner Mr. F. H. Stuttard proposed "The President," and Mr. P. Varley welcomed the ladies and visitors, Councillor Hammond replying. M.C.s for the evening were Messrs. Stuttard and A. Barnes (whist) and Messrs. A. Sideboltom and T. A. Durkin (dancing). Whist prizes were presented by Mrs. S. C. Coope to Mesdames Shaw, Henson, Parkinson, Mills, Riley and E. H. Smith, and Messrs. Froggett, R. Riley, Marsden, Varley, Cardwell and E. H. Smith.

Hull

Hull Pharmaceutical Students' Association held a dance at the City Restaurant, Hull, recently. Mr. Davies was M.C. Members of the committee present were Mrs. Charles, Mr. Caws (treasurer), Miss Salford, Miss West, Miss Clegg, Mr. Reader and Mr. Holder. Others present were Mr. Surfleet (president, Hull Chemists' Association) and Mrs. Surfleet, Mr. and Mrs. Brocklehurst, Mr. and Mrs. H. Bays, Mr. and Mrs. Bennett, Mr. Naylor and party, Miss Sawyer, Mr. B. Foster and Mr. Waller (junior inspector of factories, Hull and district).

Members and friends of the Hull Chemists' Association broke fresh ground recently with a dance at the Good Fellowship Inn. Among nearly one hundred people present were the president of the Association (Mr. A. Surfleet) and Mrs. Surfleet, Mr. E. A. Brocklehurst (vice-president) and Mrs. Brocklehurst, Mr. H. Bays (vice-president) and Mrs. Bays, Mr. H. Ringrose (social secretary), Mr. and Mrs. E. Hindle, Mr. and Mrs. C. A. Hewitt, Mr. and Mrs. A. F. Cluff, Mr. W. H. Taylor, Miss Thelma Sawyer, Mr and Mrs. Allan, Mr. Foster, Mr. and Mrs. Stephens, Dr. Drummond, Dr. Robinson, Miss Vokes, Miss Palmer, Mr. Watt and Mr. R. Johnson (president, Students' Association).

Leeds

The first sessional meeting of the Leeds Branch of the National Pharmaceutical Union was held at the Guildford Hotel on November 16, following a supper, Mr. E. Buckley occupying the chair. Mr. W. Eadie gave a paper on "Current Topics." He deplored the fact that pharmacy had not participated in the progress which had been made in working conditions in recent years, through not being properly paid for their work, especially N.H.I. dispensing. The following resolution was carried unanimously. "The Leeds Branch of the N.P.U. is strongly in favour of the N.P.U. negotiating for terms under the N.H.I. contract."

Liverpool

The Old Students' Association of Liverpool School of Pharmacy held a meeting on November 13. Three short lectures were given by members of the Association entitled "Some Aspects of Pharmacy," in which they presented the views of a retail chemist, a hospital pharmacist and a representative. It was evident, from the tone of the meeting, that retail pharmacy was the best task and the one that gave the greatest remuneration for service.

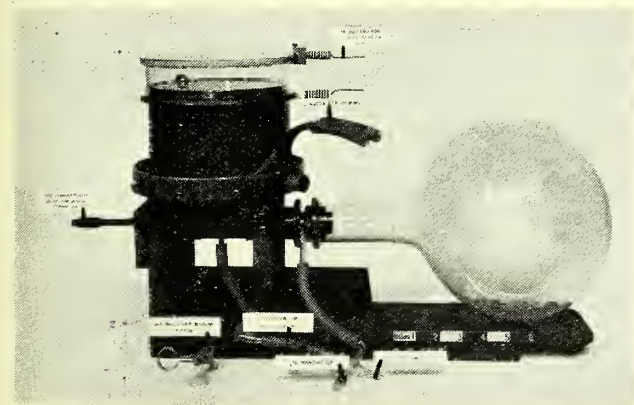
At a meeting held in Liverpool on November 18 under the auspices of the Liverpool Chemists' Association, over 400 pharmacists and friends were the guests of Bayer Products, Ltd. Two talking films were shown. The first, "Malaria," depicted the three different forms of malarial infection and the development of the parasite. The second part of the film dealt with sanitation and prophylaxis. The advantages and disadvantages of quinine, and the pharmacological action of plasmoquine, quino-plasmoquine and atebirin were depicted.

The second film, "Olympic Games 1936," by amateur photographers, met with an enthusiastic reception. In an address of welcome, Dr. H. F. Kottthoff referred to outstanding advances in chemo-therapy, such as the introduction of phenacetin, aspirin and other products, culminating in the recent introduction of prontosil. The speaker referred to Ehrlich's efforts to find chemical remedies which would act as specifics against germs. Ehrlich had been reluctantly forced to the opinion that it was impossible to find chemical remedies against diseases of bacterial origin—a conclusion since generally accepted by scientists and medical men. The scientists of the Bayer laboratories, however, said Dr. Kottthoff, did not accept this finding. In 1932 a compound was found which had some action on bacteria, and further work led to the discovery of a product (prontosil) for which a patent was taken out. In April 1935 prontosil was submitted to the Therapeutic Trials Committee, which thoroughly investigated the drug, and in June 1936 Dr. Colebrook published a paper on the subject in "The Lancet."

London

The first of a series of sales of furniture, curios and works of art collected by the late Sir Henry Wellcome is announced to take place on December 6.

Progress made during the present century in the physics of the atom is demonstrated by an exhibition of photographs of atom tracks, opened at the Science Museum, South Kensington, on November 19. The exhibition, which continues until February and consists of photographs of the tracks of individual atomic nuclei and electrons moving at high speeds, has been



PROFESSOR WILSON'S ORIGINAL EXPANSION CHAMBER

(From an exhibit in the Science Museum, South Kensington. Reproduced by permission of the Cavendish Laboratory, Cambridge)

planned in honour of Professor C. T. R. Wilson, F.R.S., lately Professor of Natural Philosophy at Cambridge, who twenty-five years ago first made these tracks possible by his condensation method. The accompanying illustration shows Professor Wilson's original apparatus, on view in the exhibition, which consists of a glass expansion chamber, the base of which is a sliding piston. The large glass globe is pumped out to a low pressure, and is connected to the piston by means of a valve, which, when released, causes the piston to drop down into the metal cylinder below the chamber. The air in the latter is thus suddenly expanded, and some of its water-vapour condenses upon any ions present in the chamber, rendering visible the track of the particles which produced them. The tracks actually consist of thin wisps of cloud, and for photographing them a sudden flash illumination is produced immediately after the expansion is over by discharging a battery through a special mercury lamp. A small handbook describing the exhibits has been prepared and contains a brief introduction to the subject. Copies are on sale at the Museum, or may be obtained from H.M. Stationery Office (7d. each, post free).

There was an excellent attendance at a meeting of the West London Branch of the Pharmaceutical Society, held at Stewart's Restaurant, Old Bond Street, W.1, on November 24. The chairman of the Branch (Mr. Gwilym Thomas) presided. Mr. W. S. Howells (a member of the Society's Council)

addressed the meeting on "Some Reflections upon our Present Position." Mr. Howells referred to the congestion at 17 Bloomsbury Square due to the considerable extension of the activities of the Society during recent years. The 1933 Act had thrown a great deal of extra work upon the Society. These extended activities necessitated constant reshuffling of the staff at Bloomsbury Square or meant the taking of extra premises in the neighbourhood, and this entailed heavy expense. It was desirable that all the Society's activities should be housed under one roof. He assured his audience that it was not the intention of the Council to build a "palace," but it had the responsibility of erecting a building which would serve the requirements of the Society for many years to come.

Mr. Howells then referred to the alleged shortage of qualified assistants, which was causing some concern. Many chemists had experienced a difficulty in obtaining locums during the past summer, and this had given rise to a feeling of apprehension that there was a dearth of pharmacists to meet the demand. He reminded his audience that the demand for locums was an abnormal one, being concentrated within a period of two months or so. If there were sufficient men to meet this demand, there would be too many for normal conditions and unemployment would be the result. Chemists might have to consider taking their holidays at a different time of the year. The 1933 Act had been responsible for absorbing more qualified people into retail pharmacy, this Act and the D.D.A. had also accounted for more qualified people being employed in wholesale and manufacturing houses. Further, the quiet influence of the Society had been responsible for more qualified people being employed in hospitals and similar institutions. Actually he doubted whether, instead of there being a shortage of pharmacists, there was sufficient professional work at the present time to occupy the pharmacists on the Register. It was necessary to endeavour to increase the amount of professional work available, and one of these ways was to secure the reservation of dispensing. It was doubtful whether the best method of achieving this object was by a direct attack such as the incorporation of such a clause in a Pharmacy Bill. Such a proposal would raise a storm of protest from vested interests, and such hostility might have far-reaching effects which would possibly jeopardise any hope of development along more evolutionary lines. It was essential that they should jealously guard any privileges or protection which they now possessed. It would not be practical to ask pharmacists to forego prescribing—which term covered a wide field. Possibly pharmacists would be prepared to refrain from diagnosis. He looked forward to the findings of the Committee of Inquiry with great interest. The extension of N.H.I. benefits to other classes would certainly come in the future, and this suggested that many doctors would find it impracticable to dispense for their few private patients.

Referring to the Society's educational policy, Mr. Howells pointed out that educational facilities were greatly improved during recent years and many more youths now matriculated. In negotiating for any recognition of services, it was essential that members should be adequately trained for such work. The speaker appealed to all pharmacists to co-operate in trying to improve their position. The public very largely took them at their own valuation. Each of them should endeavour to educate those with whom they came into contact to the importance of pharmacy and the pharmacist. He deplored the disappearance of the carboy and shop rounds.

In the discussion which followed, Mr. Alban Atkin contended that it was incorrect to speak of a "retail" pharmacist. Mr. Howells replied that it was true that "pharmacist" was a professional term, but he pointed out the difficulty of defining the activities of a pharmacist who was carrying on a retail business. Mr. Cocking asked if the Society had the support of the company chemists when negotiating with Government departments. Mr. Howells said that this was frequently so. Mr. Thomas asked if there was any foundation for the suggestion that only a certain fixed percentage of candidates were passed at the Society's examinations. Mr. Howells assured his audience that such ideas were entirely unfounded. Mr. Falding called attention to the large number of failures in botany, and suggested that too high a standard was required. Mr. Howells emphasised the necessity for a knowledge of botany and zoology in the student's studies, and suggested that the real reason for the failures was because the candidates did not attach sufficient importance to the subject.

Mr. Munn asked about the facilities provided by the Society for members to become acquainted with the latest scientific developments. Mr. Howells pointed out that additions are constantly being made to the library of the Society, and thought that members did not avail themselves of those facilities sufficiently. In reply to Mr. Goodwin, he said he felt sure that facilities would be provided in the new building for meetings of the branches and also for individual members. Replying to questions regarding a code of ethics, Mr. Howells said that it was for the branches to decide in the first place whether they desired such a code and if so to co-operate in its formulation. A vote of thanks was proposed by Mr. Glover (vice-chairman). Mr. Shirliff proposed a vote of congratulations to Mr. A. R. Melhuish upon his appointment as chairman of the London Insurance Committee.

Manchester

The Manchester and District Pharmaceutical Masonic Association held their first ladies' evening of the season, on November 24, at the Manchester Limited Café. The guests were received by the chairman (Bro. R. Millner) and Mrs. Millner. After the loyal toast, the following toasts were proposed: "The Chairman," "The Ladies" and "The Visitors," by Bros. Edwards, Walters and Renton respectively. Replies were by the chairman, Mrs. Millner and Bro. Longmire. In the whist drive, conducted by Bro. Hummel, the following were the prize-winners:—Mrs. Baker, Mrs. Tyler and Mrs. Bostock; travelling prize—Mrs. Millner; hidden number—Mrs. Edwards; Bro. Fisher; hidden number, Bro. Westwood. Bro. Wied acted as M.C.

Reference to a desire to obtain a charter relating to hours, wages and general working conditions for pharmaceutical employees was made at a meeting of Lancashire and Cheshire pharmaceutical employees held under the auspices of the Association of Pharmaceutical Employees Section of the Shop Assistants' Union at the Manchester Athenæum on November 30. Confessing that he was a non-repentant evolutionist, Mr. W. E. Phillipson, M.P.S., Manchester, who occupied the chair, pointed out that they must have changes. Civilisation was not a static state, but one of dynamic activity. Mr. L. Potash, M.P.S., Manchester, contended that the Pharmaceutical Society did not give due consideration to the conditions of pharmaceutical employees. It was essential that pharmaceutical employees should rally round a body which would look after their own interests, although he had to admit that many young people nowadays were exceedingly apathetic. They were not prepared to come behind the scenes and help to bring about decent conditions in pharmacy. It was deplorable that there were qualified men receiving something like £3 a week, after a considerable financial outlay and much study. It was the intention of the Union to set about drafting a charter laying down minimum scales of pay, maximum hours, and general working conditions. Negotiations could be commenced with the National Pharmaceutical Union.

Mr. R. E. Bradfield (National Executive of the Shop Assistants' Union) pointed out that a pharmacist performed a public service and was something more than an ordinary shop assistant. He had read, in a paper which ranged itself against the trade union movement, that there were dispensers in this country earning between 47s. and 55s. a week for from sixty-five to seventy-seven hours. It was less than 8d. an hour, whereas the trade union rate for labourers amounted to 1s. 5d. an hour. Pharmaceutical employees would have to consider very seriously whether the economic return for their particular skill was good enough. It was perfectly scandalous that a trade union meeting in this country had to start at 9 p.m. as that meeting had had to do. The Shop Assistants' Union had bank balances amounting to £170,000 and a membership of 80,000, and they were prepared to use their resources towards bringing a campaign in the pharmaceutical profession to a successful issue. The following resolution was carried:—"That this meeting representative of employees in the pharmaceutical profession in Lancashire and Cheshire, viewing with grave concern the low rates of wages paid and long hours worked, calls on all assistants, qualified and unqualified, to join the Shop Assistants' Union, and assist the Union through its Association of Pharmaceutical Employees section, in the effort to have wages and conditions regulated by agreement as has already been done in tailoring, drapery and grocery trades."

Irish Notes

Irish Drug Association

At the second November fortnightly meeting of the Committee of the Irish Drug Association Mr. P. A. Brady (president) in the chair, Mr. T. C. Scott was congratulated by the chairman on his co-option as a member of the Council of the Pharmaceutical Society of Ireland. It was reported to the Committee that the P.A.T.A. had taken action against several "outside" traders who persisted in cutting certain lines. Members of the I.D.A. were requested to advise the secretary of any known cases of the cutting of P.A.T.A. lines. A report of the subcommittee recommended that the next delegates' meeting be held on December 6.

Local Association Meetings

A meeting of the Waterford and District Chemists' Association was held during November, when matters of local concern were discussed.

The Galway Chemists' Association met during November to consider a demand received from the Irish Union of Distributive Workers that the rates and conditions of work for assistants operative in Dublin, Cork and Limerick be made operative in Galway district. A delegation from the local Branch of the Union was received in connexion with the matter.

At a meeting of the Westmeath Federation of Pharmaceutical Chemists, held recently in Athlone, Mr. J. Fleming, M.P.S.I., presiding, the following schedule of working hours for the Athlone district was agreed upon:—Week-days, 9 a.m. to 9 p.m.; Saturdays, 9 a.m. to 10 p.m.; Sundays and Bank Holidays, 11 a.m. to 1.30 p.m. Prices were agreed upon for certain lines not on the Irish Drug Association List. Other matters discussed at the meeting included the pricing and coding of prescriptions, the I.D.A. Approved List, conditions of employment in pharmacy, insurance indemnity and the 1908 Poisons and Pharmacy Act.

Belfast

Sir Thomas McMullan, as president of the Bangor Boy Scouts' Association, welcomed the Earl of Buckinghamshire to that town on the occasion of his visit on November 22.

A meeting of the Belfast ladies' social pharmacy committee was held at the offices of the Pharmaceutical Society of Northern Ireland on November 24. Mrs. Fred Storey (chairman) presided. It was reported that the recent dance had realised £40 net in aid of the Chemists' Benevolent Fund. Mrs. Fred Storey intimated that she could not continue to occupy the position of chairman, and Miss Laverty (secretary) also announced that she wished to resign. Both ladies have filled the positions for three years, and tribute was paid to their work.

Dublin

A demand for increased wages and for changes in working conditions has been served on Dublin wholesale chemists and wholesale druggists on behalf of some 200 workers, all members of the Irish Transport and General Workers' Union.

In the High Court, Dublin, on November 29, before Mr. Justice Hanna and Mr. Justice O'Byrne, Mrs. Walsh, Gardiner's Place, appealed from a decision of Circuit Judge Davitt, dismissing her claim for personal injuries against Hayes, Conyngham & Robinson, Ltd., chemists, Grafton Street. The plaintiff's case was that while she was entering the defendant's branch shop at 51 Henry Street, a roll shutter door fell and injured her. The defence was denial of negligence, and a plea that at the time of the accident an independent contractor was in charge of the door. The Court allowed the appeal and gave the plaintiff a decree for £45, with costs.

Miscellaneous

MR. A. E. DICKSON, M.P.S.I., Londonderry, has been awarded the first prize of £25 in a photographic competition promoted by the Irish Tourist Association with a picture entitled "Glen Head, Donegal."

PHARMACIST ALDERMAN.—Mr. Joseph F. Costello, M.C.P.S.I. (president, Pharmaceutical Society of Ireland, 1935-36), has been returned at the head of the poll in the Galway Corporation elections. He thus becomes senior alderman.

Scottish Notes

Edinburgh

Mr. Orlando Bradley, M.D., D.Sc., F.R.S.E., F.R.C.V.S., principal of the Royal (Dick) Veterinary College, died in an Edinburgh nursing home on November 21, aged sixty-five. Dr. Bradley joined the staff of the Royal (Dick) Veterinary College in 1900, and while teaching there graduated in medicine. He became principal of the Royal (Dick) Veterinary College in 1911, and was president of the Royal College of Veterinary Surgeons from 1920 to 1922.

The opening meeting of the sixtieth session of the Edinburgh Chemists', Assistants' and Apprentices' Association took place at 36 York Place on November 26, Mr. Charles J. Collins (president) in the chair. The following prizes were handed to the successful competitors by Mr. J. Rutherford Hill, O.B.E., Ph.C.:—First Cumming prize in practical pharmacy, Francis Glen; Second Cumming prize, David J. A. Paton; Duncan prize in practical botany, James Struthers. On the motion of Mr. Beattie a cordial vote of thanks was awarded to Mr. Rutherford Hill and the donors of the prizes. The chairman introduced Mr. John Gilmour, Ph.C., chairman of the Board of Examiners in Scotland, and called upon him to give the inaugural address.

Mr. Gilmour advised students not to think that the Qualifying examination was the end of their studies. Merely to look upon the period of study as a matter to be got through indifferently and to be forgotten as soon as possible was to miss the real object of it all. He held that the pharmaceutical examinations were as fair a test as could be devised, and were conducted with a uniform desire, not to find out what a candidate did not know, but rather to find out what he really did know. Mr. Gilmour gave an outline of what students of pharmacy had to face in the future, and made suggestions as to how they should conduct their studies and recreation.

A meeting of the Edinburgh and South-Eastern Scottish Branch of the Pharmaceutical Society was held at 36 York Place, Edinburgh, on November 25, the chairman of the Branch (Mr. James B. Mitchell) presiding. Mr. C. G. Drummond (secretary) submitted the draft branch rules, which had been approved at the Bournemouth Conference, and these were adopted. Dr. J. J. Blackie made an explanatory statement with regard to the visit of the British Pharmaceutical Conference to Edinburgh in September 1938. The details of the programme were well in hand.

Dr. Tait explained that the new Methylated Spirits Act for Scotland would operate from January 1, 1938. It was expected that the final Orders or Regulations would be issued shortly. Scottish chemists were in complete agreement with the object of the Act. The Society had secured a provision by which the supply of surgical spirit came within the exemption of Section 19 of the Pharmacy and Poisons Act, 1933, in regard to a medicine; if copied in the prescription-book and otherwise dealt with as provided by Section 19, the requirements as to registering would not apply. The Society had also secured that sellers of methylated spirits other than authorised sellers of poisons are required to pay a registration fee to the local authority. The Act provided that the police would have power of entry and inspection. In the discussion which followed, it was explained that many chemists, in regard to the sale of poisons, refused to sell small quantities and fixed a minimum price for any sale of a registered article.

Glasgow and West of Scotland

Under the auspices of the Glasgow and South-Western Scottish Branch of the Pharmaceutical Society a whist drive, supper and dance was held in the Gordon Restaurant, Glasgow, on November 16, when over 150 persons were present. The company included Mr. A. B. Gilmour (chairman) and Mrs. Gilmour; Mr. Thomas Guthrie (vice-president of the Pharmaceutical Society) and his daughter, Mrs. Foster; Mr. J. H. Ramsay (vice-chairman of the Branch); Mr. and Mrs. W. Spence Culbert; Professor and Mrs. J. P. Todd; Dr. Lloyd; Mr. A. R. Melhuish (a past-president of the Society); Mr. P. M. Duff (secretary of the Branch) and Mrs. Duff. Mr. A. Officer, who acted as cardmaster, welcomed the company and expressed special thanks to Mr. Gilmour and Miss McCullum for giving special prizes. In the course of a few remarks, Mr. Melhuish expressed his pleasure at being present and stated that the acceptance by Mr. Guthrie of the office of vice-president of the Society had given great satisfaction south of the Border. Dancing followed with Messrs. Logan and Newton as Masters of Ceremonies. During an interval Mrs. Gilmour handed over the whist prizes and was cordially thanked. Prize winners:—Ladies—(1) Miss M. James; (2) Mrs. W. Spence Culbert; (3) Mrs. Shields; travelling prize, Mrs. McMillan; consolation, Miss Meiklejohn; Miss Suttie. Gentlemen—(1) Mr. W. Teaz; (2) Mr. E. D. Ollett; (3) Mr. R. Taylor; travelling prize, Mr. J. Robertson; consolation, Mr. C. McKerlie.

Topical Reflections

By Xrayser

The Meeting at Leeds

on the National Health Insurance contract addressed by Mrs. Irvine provided few surprises (pp. 627, 631). Of course the chemist has done his work conscientiously as dispenser to the State; I recall vividly the coming into force of the dispensing arrangements in 1913, and the first script handed to me. There was never, from the first, any doubt on the part of pharmacists that the same meticulous care expended on the private script would be used with N.H.I. scripts. I agree that in many ways conditions are better now. In those first years we priced our own scripts; to-day, at a small charge, they are priced for us. Our treatment of our customers who brought the scripts has always been courteous; in my own case I provided a waiting room, with a fire in the winter, for those who had come some distance and had to wait. Pharmacists have kept their part of the bargain: they want the State to keep its part and pay the all too small fees without discounting and at a higher rate if possible. As to the future, it is little consolation to us to know that N.H.I. has established itself as a permanent feature of the social system of the country if the payment for this service is not to be in full. Expansion is well; it is interesting to know that there are two insurance contractors now to one in 1922, if other things are in proportion. As to the increase of 1,000,000 in 1938 by the addition of juvenile employed persons under the Medical Benefit Scheme, this may prove to be an additional source of worry to the pharmacist. Let all N.H.I. dispensing chemists do their best to strengthen

the hand of the N.P.U. in its work of getting a new and, I hope, better contract from the Ministry of Health—that is the pressing need.

One of the Most Interesting Items

of news in your issue of November 27 is that describing the second annual meeting of C.F. manufacturers (p. 618). There is no doubt that the progress of this movement has falsified the somewhat gloomy prophecies of those who gave it six months before it collapsed. At the end of the second year's working seventy-three manufacturers have joined the scheme, and one speaker at the meeting suggested that the number might well reach 100 during the coming year. Two matters appear to have been dealt with since last November—the preparation of a provisional list of wholesalers and the arrangements for supplying C.F. articles to welfare centres. Both these are important. It will obviously be difficult to carry on the scheme with efficiency unless the wholesalers work it in accordance with the terms of the agreement between N.P.U., Ltd., and the manufacturers. Wholesalers should be selected whose main business is the supply of medicinal articles to chemists, doctors and hospitals. The supply of C.F. goods to welfare centres raises several problems; obviously such goods cannot be supplied to these clinics for re-sale, and the way out of the difficulty would seem to be the use of a bulk package. But the onus of supplying any goods should lie with the manufacturers: the profit could well be passed through the wholesaler or retailer.

Legal Reports

Pharmacy and Poisons Act, 1933.—At Glasgow Sheriff Court, on November 24, Drs. David and James Coutts, A. S. Bisset, Alexander MacLachlan, John Porter and John Pearson were charged with having, in their dispensaries in Glasgow, sold Harrison's Pomade by the agency of unregistered persons. Mr. George Fraser, managing director of Gordon & Fraser, Ltd., chemists, Stobcross Street, was charged with a similar offence. All were admonished.

At Southend-on-Sea Police Court, on November 19, Britacies, Ltd., Old Southend Road, were fined £10, with £3 3s. costs, for unlawfully using at their shop in the Broadway the title "chemists." Mr. A. E. Castle, for the Pharmaceutical Society, said the defendants carried on a business which might be described as that of unqualified medicine vendors. They distributed by a string hanging outside their Broadway shop pamphlets or booklets describing their products. The booklets stated that they were issued by "Britacies, Ltd., Wholesale and Retail Manufacturing Chemists." In April last they were fined £2, with £3 3s. costs, for using the word "pharmacy" when it was illegal for them to do so. Mr. W. F. Bestley, for the defendants, said it would need the eye of a lawyer of the Pharmaceutical Society to discover that there was an offence in this case.

At Clerkenwell Police Court, London, on November 18, Miss E. Young, Caledonian Road, N., pleaded "Guilty" to summonses in connexion with a sale of colchicine contained in Eade's Pills. It was stated that the defendant had only a small shop. She said she was asked to get the pills and she intended to look in a book about the sale of them. The summonses were dismissed under the Probation of Offenders Act on payment of £4 4s. costs.

At Liverpool Police Court, on November 16, Mr. Norman Ashley Cluett, chemist, of St. James Street, was fined £6, with £4 1s. costs, for offences under the Pharmacy and Poisons Act. Mr. W. F. Morris, prosecuting for the Pharmaceutical Society, said it was alleged that Cluett had been carrying on business with an unqualified assistant and selling poisons through that agent. The assistant sold a bottle of compound syrup of hypophosphites containing strychnine. Mr. A. Morris, defending, said the assistant was a skilful man though technically not qualified.

At Jarrow Police Court, on November 18, Mrs. D. M. Armstrong, Bede Burn Road, pleaded "Guilty" to charges of selling a bottle of Famel brand Syrup. Mr. S. G. March prosecuted for the Pharmaceutical Society. Mr. A. P. Livingstone, defending, said there had been no intention to break the law. The magistrates imposed a fine of 40s., with £2 2s. solicitor's fees, in respect of the charge of selling poison on premises not duly registered, and dismissed the two other charges on payment of costs.

Interest on a Loan.—In the King's Bench Division of the High Court, London, on December 1, before Mr. Justice Porter, a claim for the sum of £2,075 14s. 9d. in respect of interest on a loan was made, the plaintiff being Mr. Frederick Firmenich, Geneva, and the defendant Mr. E. Guillevic, St. Dunstan's Hill, E.C.3. The case for Mr. Firmenich, who was stated to be a dealer in perfume, was that in 1929, when he and Mr. Guillevic were directors of Huileries Felix Audemard, Nice, it was decided to increase the capital of the company. The directors were to subscribe for half the proposed new shares, and Mr. Firmenich paid the total amount on the directors' undertaking to repay him the capital within five years, and 6 per cent. interest annually. On behalf of Mr. Guillevic it was contended that, the writ having been issued in 1934, the claim was premature, the agreement being that he need not pay any money as capital or interest for five years, except at his option. It was also argued that the English Court had not jurisdiction to try the case, as the dispute was between two members of a French company concerning the company's affairs, and under the company's articles only the Nice Court had jurisdiction to decide the matter. Mr. Justice Porter said that the agreement between the parties was in French, and Mr. Firmenich's case was that the loan he made to Mr. Guillevic was repayable in a maximum period of five years and interest was payable annually. Mr. Guillevic said that the contract was that the capital and interest should not be

payable until five years had elapsed. His lordship held that Mr. Firmenich's view was the correct one. On the question of the jurisdiction of the English Court, the judge said that the loan was a private one by Mr. Firmenich to Mr. Guillevic, though it was intended that Mr. Guillevic should use the money for the purposes of the company. In his lordship's view the present dispute was not one within the meaning of the company's articles. Judgment was entered for Mr. Firmenich for £2,075 14s. 9d., with costs.

Action Settled.—In the King's Bench Division of the High Court, London, on November 25 and 26, before the Lord Chief Justice and a special jury, Mr. Percy Bernard Phillips, Ph.C., Combe Martin Road, Southfields, S.W., sued Mr. Thomas Needham, Lancaster Gate, W., alleging slander and libel. Mr. Phillips also asserted that Mr. Needham had procured his dismissal from his post of director, manager, superintendent and secretary of Bernard Phillips, Ltd., chemists, and claimed damages. Sir Patrick Hastings, K.C., for the plaintiff, stated that for many years Mr. Needham carried on a number of chemists' shops. Mr. Phillips had assisted him for something like twenty years, and the business had been exceedingly prosperous. When Bernard Phillips, Ltd., was formed Mr. Needham found substantial capital, and the company became very profitable. Mr. Phillips had been appointed a director at £50 a year and manager at £1,000 a year to superintend the eighteen shops belonging to the company. The difficulties which gave rise to this litigation seemed to come from the affairs of International Oil Lamp and Stove, Ltd., in which Mr. Needham was interested. Mr. Phillips, at the invitation of Mr. Needham, became a director and chairman. The company had given a licence to Shell Mex, Ltd., to make and sell the fires, but there came a time when the stove company wanted the licence back. Mr. Phillips, with the full authority of the board, signed heads of agreement with Shell Mex, Ltd., about that matter. Later, however, allegations were made by Mr. Needham that the plaintiff had no authority to settle the agreement; and Mr. Needham uttered other words which could be understood to mean that because of what Mr. Phillips had done with regard to the agreement with Shell Mex, Mr. Needham would have to protect himself so far as his financial interests in Bernard Phillips, Ltd., were concerned. Somebody else was put in by the defendant to control and check Mr. Phillips's work in Bernard Phillips, Ltd., and in the end, he alleged, the defendant was responsible for procuring his dismissal from that concern. The defence was a denial of libel and slander and also a plea of privilege. Mr. Phillips, in evidence, said that Shell Mex, Ltd., took proceedings against the stove company. In cross-examination by Mr. Birkett, Mr. Phillips agreed that until the matter of the stove company's agreement arose, he was implicitly trusted by Mr. Needham and held "undoubted sway" over the affairs of Bernard Phillips, Ltd. Mr. Birkett: You say the directors approved your signing the agreement with Shell Mex?—Yes. The hearing was adjourned.

On November 26 Mr. Birkett was opening the defence when the parties came to a settlement. Counsel, who described the litigation as "unhappy and unfortunate," said Mr. Needham would pay Mr. Phillips a sum of money and the costs of the action. There were two motives for the settlement. The first was that this was not the right tribunal to decide the question whether the plaintiff had authority or not to sign the agreement, and the second was the long association and friendship that had remained unbroken until these unhappy incidents arose. Mr. Phillips would withdraw any allegations he had made, and so would Mr. Needham. Whatever language Mr. Needham used, he certainly never intended to convey either that Mr. Phillips was dishonest or incompetent. Their twenty-three years' association disproved that. Sir Patrick Hastings said the whole matter had been for Mr. Phillips a tragedy, for after twenty-three years he had to start all over again. There would be judgment for Mr. Phillips with costs. His lordship, assenting, said it was fair to the plaintiff to say that he was much impressed with his evidence and the way he gave it. "Of course," added the judge, "I have not heard the other side's evidence, but I was very sorry for Mr. Phillips, and it is pleasing to think that the action has terminated in such a way that a friendship that had been disturbed may be restored."

Lemon Syrup Defined

AT Wolverhampton Police Court, on November 26, Martyns Stores, Ltd., were summoned for having sold lemon syrup alleged to be deficient in lemon juice. Martyns Stores, Ltd., who were described as nominal defendants for Timothy Whites & Taylors, Ltd., who had taken over the business, were represented by Mr. Ronald L. Parry, barrister. The Corporation was represented by Mr. S. M. Gore. On November 10, an adjournment had been granted for the stipendiary magistrate to consider precedents and authorities relating to a legal point raised by Mr. Parry (*C. & D.*, November 13, p. 560). Mr. Parry's point was that there was no case to answer, because the analyst's certificate, on which the summons was taken out, set up no standard. If the prosecution did not say what lemon syrup should consist of, how could they summon the defendants? Mr. Gore argued that it was not necessary for the prosecution to state what lemon syrup should be. Mr. Parry argued, in connexion with precedents, that in all cases when the analyst's certificate had been upset it was for vagueness. Nothing could be more vague than the one in this case. Mr. Gore agreed that it was a useful practice for the analyst to give concrete reasons why the sample was good or bad, but otherwise it was not necessary. Summing up on Mr. Parry's legal point, the magistrate said it amounted to the question of whether the prosecution were restricted to the certificate as being their only evidence, or whether they were at large to produce such verbal evidence as was in their possession. Only one of the precedents submitted dealt with this point. In that case it was held that although no standard was set up in the certificate, the prosecution were at liberty to proceed with verbal evidence. He must, therefore, decide that the case must proceed. If his decision was disputed, he would be glad to receive the guidance of a superior court upon the point.

Case for the Prosecution

Opening the prosecution, Mr. Gore contended that a purchaser of lemon syrup expected to get a product containing lemon juice, and would be dissatisfied if it were made only from the oil of lemon derived from the peel. He would, in fact, expect to buy something like home-made lemonade. There was in the British Pharmacopoeia a product known as lemon syrup, made from the oil from the lemon peel with the addition of citric acid, alcohol and sugar. It was a medicinal product, and was not, as far as he was aware, used as a beverage. Mr. G. S. Reeman, chief inspector of weights and measures, had purchased various syrups marketed. He had obtained four, and of that number three contained fruit juices. It had been suggested that the comparative cost of the syrup would be considerably increased by the addition of the natural juice. The bottle also contained a label to the effect that when diluted the syrup formed an excellent and refreshing beverage, and showed a picture of four lemons. The purchaser could, he alleged, reasonably expect the whole lemon, including the juice, to be put in the syrup. Actually all he was getting from the fruit was the oil from the peel. To be correctly described, the mixture would be called "Syrup of Lemon Peel" and not "Syrup of Lemon."

Mr. F. G. D. Chalmers, F.I.C., Wolverhampton borough analyst, said that if the syrup was made from oil only a small fraction of the constituents of the lemon was included. The most important constituents of the fruit were contained in the juice. By using the peel only, various vitamins were omitted. He would not expect a product sold as lemon syrup intended as a drink to contain oil of lemon. Although he would not insist on a definite percentage of lemon juice, he would think about 30 per cent. would be a reasonable figure, with a minimum of 25 per cent. Cross-examined by Mr. Parry, Mr. Chalmers agreed that "Pharmaceutical Formulas," Volume II, did not give lemon juice as part of the recipe for lemon syrup, although this was not the book devoted to medicines. Mr. Parry said he would also rely upon a recipe in a book written by Mrs. Beeton. Mr. Gore objected on the ground that Mrs. Beeton was not dead, saying that if she could not be put in properly, she should not be put in at all. Mr. Parry said he would call a witness to prove that Mrs. Beeton was dead. The magistrate said that under the circumstances he would consider Mrs. Beeton's book admissible. Mr. Parry

said that Mrs. Beeton's recipe did not contain lemon juice, neither did another well-known cookery book written by Jenny Williams. Questioned further, Mr. Chalmers admitted that the sample concerned in the case contained double the amount of lemon oil that was necessary according to the British Pharmaceutical Codex recipe. Mr. A. F. Lerrigo, B.Sc. (Birmingham), said he would expect to find from 25 to 30 per cent. of lemon juice in lemon syrup. He agreed with Mr. Chalmers's remarks about the vitamin content of lemon juice. He would not object to the use of oil from the peel in a small quantity, so long as there was a large quantity of the juice as well.

Case for the Defence

Mr. Ernest John Parry, D.Sc.(Lond), F.I.C., said he specialised in food and drugs and was particularly familiar with lemon drinks. He was consultant to the majority of the chief fruit drink and food manufacturers. He was not in dispute with the analyst's figures, but his experience told him that a basically similar recipe was used by over 90 per cent. of the lemon syrup manufacturers in this country. Lemon growers produced two kinds of fruit. One was grown for juice as its main product, and in the other type the peel was concentrated upon, juice being a secondary consideration. Manufacturers who had attempted to produce lemon syrup from the juice instead of from the oil found that the juice preparation was not so satisfactory from a commercial point of view, because it was liable to fermentation within a short time unless strong preservative was used. As to the query about the difference in manufacturing costs, lemon juice could be bought for 1s. 4d. a gallon, whereas the essential oil cost £5 a gallon. It had been discovered that the flavour of the lemon resided almost entirely in the peel, the juice having comparatively little flavour. Counsel: Is it a fact that Mrs. Beeton is dead? Dr. Parry: Yes, I frequently came into contact with the original Mrs. Beeton's book, and am aware that the present Mrs. Beeton is, in fact, a gentleman. Answering Mr. Gore, Dr. Parry said he did not consider the man in the street would trouble to wonder whether the syrup contained juice or not, as long as it had a nice flavouring.

Mr. William Y. Duckworth (Duckworth & Co., Chester Road, Kenchester), said his firm made the soluble essence of lemon purchased by the defendants. This was a standard preparation made from lemon peel oil, and there was nothing synthetic about it. Mr. Wilfred Munroe said he manufactured the lemon syrup for Messrs. Timothy Whites & Taylors. This lemon syrup was made for the Wolverhampton branch only from an old recipe used by Martyns Stores, whose business they had taken over. It had been sold without challenge for many years.

In his submission, Mr. Parry said that the prosecution had attempted to bring comparisons with cases in which other fruits were concerned. He contended that if people wanted lemon juice, they would ask for lemon squash. The word "squash" was indicative of juice squeezed out of the fruit.

Judgment

Summing up, the stipendiary magistrate said it seemed not to be a question of the product coming up to a certain standard, but whether there were not two definite and separate standards sold as "lemon syrup," the one with the juice and the other oil from the peel. He was not satisfied that the defendants had committed a breach of the Act, but his decision must not be considered as final in connexion with any other cases which might be brought. Applying for £52 10s. costs, Mr. Parry said this must be regarded as somewhat of a test case. The magistrate said he would allow £15 15s.

CLINICAL VALUE OF THE TOMOGRAPH.—The value of the tomograph in the elucidation of chest conditions was discussed by Dr. J. B. McDougall at the Royal Society of Medicine recently ("The British Medical Journal," 4012, 1088). Tomography is defined as the "sectioning of an organ or part by x-rays, so that it becomes possible by successive images to analyse the subject in slices and then to give synthesised reproduction of the structure." Other terms such as "planography," "stratography" and "laminography" are also current.

Company News

P.C. means Private Company and R.O. Registered Office

MANNAH, LTD. (P.C.).—Capital £100. Objects: To carry on business as chemists, druggists, etc. R.O.: 1 Lumley Avenue, Skegness.

F. GUTKIND & Co., LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of distillers and dealers in essential oils, perfumes and essences, chemists, druggists, etc. R.O.: 1 and 2 Finsbury Square, E.C.2.

NOVA CHEMICALS, LTD. (P.C.).—Capital £5,000. Objects: To carry on the business of manufacturers of and dealers in chemicals, drugs, oils, medicines, etc. The first directors are to be appointed. R.O.: 75B Queen Victoria Street, E.C.4.

ELKIN & MARGO, LTD. (P.C.).—Capital £2,000. Objects: To carry on the business of wholesale and retail chemists, paint merchants, etc. Isaac Elkin, 20 Richmond Road, Bayswater, W.2, director. R.O.: Roxburgh House, 273-278 Regent Street, W.1.

HARTLEYS CHEMISTS, LTD. (P.C.).—Capital £25,000. Objects: To carry on the business of wholesale or retail chemists or druggists, etc. Albert E. Hartley, Witton Lodge, Reedley, Burnley, director. R.O.: 96 Manchester Road, Nelson, Lancs.

JOHN MCNICOL & SON, LTD. (P.C.).—Capital £300. Objects: To carry on business as manufacturing chemists, etc. John McNicol (permanent governing director), 31 Lingwood Gardens, Isleworth, Middlesex. R.O.: 139 Staines Road, Hounslow, Middlesex.

STANLEY NOOTT, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of pharmaceutical chemists and druggists and colourmen, etc. Stanley A. Noott, Perry Park Road, Blackheath, Staffs, chemist, director. R.O.: 160 High Street, Blackheath, Staffs.

BRANDED PHARMACEUTICALS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturers of and dealers in patent medicines and proprietary articles, etc. The first directors are to be appointed. Solicitors: Ashurst, Morris, Crisp & Co., 17 Throgmorton Avenue, E.C.2.

GELATIN PRODUCTS, LTD. (P.C.).—Capital £10,000. Objects: To carry on the business of manufacturers and dealers in gelatin products of all kinds, manufacturers and sellers of medicines and preparations, etc. The first directors are to be appointed. Solicitors: Slaughter & May, 18 Austin Friars, E.C.2.

J. SHAW & SON (GLASGOW), LTD. (P.C.).—Registered in Edinburgh. Capital £5,000. Objects: To carry on the business of manufacturers, exporters, importers and wholesale and retail merchants of soap, medicines, drugs and proprietary articles, etc. Jas. Shaw, Dargan, 39 St. Andrew's Drive, Pollokshields, Glasgow, director. R.O.: Hillington Road, North Hillington, Glasgow, S.W.2.

LACTAGOL, LTD.—Profit for the year to September 30, £9,149 (against £6,133 for previous accounting period of 15 months). Sum of £1,907 reserved for income tax and N.D.C. (against £989); to plant account £1,000 (against nil); to development fund £150 (against £250); final ordinary dividend, 5 per cent., and bonus 2½ per cent., making 10 per cent. (against 6 per cent.); forward £835 (against £647).

GRIFFITHS HUGHES PROPRIETARIES, LTD.—The directors have decided to end financial year on March 31, 1938, instead of June 30, as hitherto, to coincide with ending of financial year of E. Griffiths Hughes, the operating company. This alteration will in no way affect profit of holding company. Directors have declared interim dividend of 2½ per cent. actual on ordinary, payable December 31, 1937, on account of period ending March 31, 1938. (Interim of 5 per cent. was paid on account of year to June 30, 1937.) Board have appointed as directors Mr. C. B. Green and Mr. W. S. Harris, who are already managing directors of E. Griffiths Hughes, the operating company.

Voluntary Liquidations

J. D. Mackintosh, Ltd., 810 Ashton Old Road, Openshaw, Manchester, chemists. The statutory meeting of creditors was held recently at the offices of Messrs. Harry L. Price & Co., I.A., 47 Mosley Street, Manchester, when it was reported that the shareholders had passed the usual resolution for voluntary winding up and had nominated Mr. A. T. Eaves, C.A., as liquidator. The statement of affairs showed ranking liabilities of £851 10s. 9d., made up as follows:—Trade creditors, £779 9s. 8d.; rent, £27 5s.; and bankers, £44 16s. 1d. After allowing £5 4s. for preferential claims the net assets were £77 16s., or a deficiency, so far as the creditors were concerned, of £773 14s. 9d. Capital of the company issued was £293, and as regarded the shareholders there was a deficiency of £1,066 14s. 9d. It was reported that the company was incorporated in 1912, the original shareholders being Mr. J. D. Mackintosh and his wife. In July 1922 the shares were purchased by Miss Bryan and Mr. A. L. Faulkner, and later Mr. Faulkner paid out Miss Bryan. The present shareholders were Mr. A. L. Faulkner and Mrs. A. Faulkner, his mother. Mr. Faulkner only took over the actual management from October 1935, when he found the business was falling away. The weekly takings had not exceeded £11, except at Christmas time. The explanation of that was that engineering works in the district had been closed. The company had been experiencing pressure from creditors for a considerable time, and many were suing. Resolutions were passed confirming the voluntary liquidation of the company, with Mr. Eaves as liquidator, whilst a committee was also appointed.

Forbes & Pullen, Ltd., High Street, Chalfont St. Peter, chemists. At the statutory meeting of creditors held recently at the Berners Hotel, London, W., Mr. R. W. Brown presided and reported that the shareholders had passed the usual resolution for the voluntary winding up of the company and had nominated Mr. J. T. Morgan, of Messrs. Morgan, Crumpton, Cappleman & Co., as liquidator. The statement of affairs showed liabilities of £1,422 16s. 2d., made up as follows: trade creditors, £660 6s. 10d.; expenses, £7 9s. 4d.; and cash claims, £755. The assets totalled £214 9s. 8d., from which had to be deducted £20 7s. for preferential claims. The net assets, therefore, were £194 2s. 8d., or a deficiency, as regarded the creditors, of £1,228 13s. 6d. The issued capital of the company was £2, and the deficiency so far as the shareholders were concerned was £1,230 13s. 6d. Mr. Morgan reported that the company was incorporated on March 23, 1931, with a nominal capital of £100, of which only £2 was issued and paid up. The directors were Messrs. J. H. Forbes and F. E. Pullen, the latter of whom retired from active participation in the business in April 1934. Mr. Forbes died about a month previously, and as at that time there was considerable pressure by creditors the accountants were approached. Regarding the trading records, the last available balance sheet was at March 31, 1935, although draft trading accounts had been prepared subsequently. For the present the business was being continued in the hope of selling it as a going concern. It was unanimously resolved that the appointment of Mr. Morgan as liquidator should be confirmed, and a committee of five of the largest trade creditors was also elected.

Bankruptcy Report

Re Eric Arthur Fittom, trading as "Kemp & Elmitt," 9 Mint Street, Lincoln, chemist. This debtor's public examination was held recently at the Sessions House, Lincoln, when it was reported that the deficiency amounted to £743 16s. 4d. Debtor acquired an old-established business in High Street, and prior to having to remove to Mint Street the turnover was nearly £4,000 per annum. After the removal, however, the sales were £1,600, and over a period of five years the turnover had constantly diminished, so that he had had to borrow £400 from friends. The examination was closed.

Stock Exchange Prices

£1 shares unless otherwise stated	Dec. 31, 1936	Oct. 29, 1937	Nov. 30, 1937
	s. d.	s. d.	s. d.
Allen & Hanburys, 7% Prefd. Ord. ...	26 3	27 0	26 3
Amalg. Dental Co., 8% Prefd. Ord. ...	27 6	26 3	25 3
Deferred £1 ...	18 6	15 4½	14 0
Aspro, Ltd. ...	18 9	16 9	16 0
Ayrton, Saunders & Co., 7½% Pref. ...	25 0	23 6	23 6
Beechams Pills, Deferred 5s. shares ...	63 0	61 3	57 6
Benger's Food, Ord. ...	38 0	39 6	40 0
Benzol & By-Products cum. part. Pref. ...	6 3	11 1½	11 6
Berger (Lewis) & Sons, Ord. ...	73 1½	59 9	56 3
Blundell Spence & Co. ...	22 0	15 0	16 0
Boake (A.), Roberts & Co., 5% Pref. ...	22 0	21 3	21 3
Boots Pure Drug, Ord. 5s. shares ...	60 0	49 6	46 6
Boots Pure Drug, 7% "A" Prefd. Ord. ...	33 3	33 0	33 0
Boots Cash Chemists (S.), 6% "A" Prefd. ...	29 0	29 0	29 0
Borax Consol., Dfd. Ord. ...	35 6	29 3	27 6
Bovril, Ord. ...	27 3	27 3	26 0
Defd. ...	24 3	21 0	21 3
British Industrial Plastics (formerly British Cyanides), Ord., 2s. shares ...	3 1½	2 9	2 6
British Drug Houses, The, Ord. ...	21 9	23 0	23 0
British Glues & Chemicals, 4s. Ord. ...	9 10½	7 0	6 0
British Oil and Cake Mills, Prefd. Ord. ...	48 6	45 6	46 3
British Oxygen, Ord. ...	120 0	92 6	86 3
British Photo. Indus., 6% Cum. Pref. ...	4 0	3 9	3 9
Burt, Boulton & Haywood, Ord. ...	24 9	21 3	20 9
Bush (W. J.) & Co., 5% Pref. £5 ...	110 0	103 9	103 9
Callard, Stewart & Watt, Ord. ...	12 0	7 0	4 9
Cooper, McDougall & Robertson, Ord. ...	37 0	34 0	32 6
Crosfield (Joseph) & Sons, 6½% Pref. ...	28 9	29 3	29 9
Dubarry Perfumery, Ord. 1s. ...	3 4½	1 10½	2 0
7½% Pref. ...	26 3	22 9	22 6
Eno's Propriet'y, Ord. 5s. ...	8 10½	6 9	6 0
Evans Sons Lescher & Webb, Ord. 6s. 8d. shares ...	5 3	5 9	5 3
" " " 6% cum. part. Pref. ...	8 3	8 3	8 3
Field (J. C. & J.), Ord. ...	27 6	26 9	26 3
Galloway (P. H.), Ord. 2s. ...	3 6	3 0	2 9
" " 7½% Cum. Pref. ...	26 6	27 4½	26 3
Genatosan, Ltd., 1s. ...	6 4½	6 3	5 10½
Gossage (William), 6½% Pref. ...	29 0	30 3	30 6
Greiff-Chemical H'dings, Cum. Pref. 10s. ...	11 9	10 3	10 4½
Ord. 5s. ...	9 6	6 9	6 9
Griffiths Hughes (Kruschen), Ord. ...	47 6	19 3	15 0
Grout & Co., Ord. ...	19 6	16 6	15 3
Hodders, Ord. 1s. ...	0 10½	0 9	0 9
Ilford, Ltd., Ord. ...	28 9	28 3	26 6
" " 6% Pref. ...	26 9	25 9	25 0
Imperial Chemical, 7% Pref. ...	35 0	33 1½	33 6
Ord. ...	41 6	36 6	35 6
Intern. Sponge Importers, 6% Pref. ...	8 9	7 0	7 0
Knight (John), 25% Prefd. Ord. ...	107 6	101 3	100 0
Laporte (B.) & Co., Ltd., Ord. ...	123 9	98 9	97 6
Lever Bros., Ltd., 7% Pref. ...	33 6	32 0	31 9
" " 8% Pref. ...	34 9	33 6	33 0
" " 20% Prefd. Ord. 5s. ...	—	20 6	20 6
Lewis & Burrows, Ord. ...	24 0	24 9	24 9
" " 6% Pref. ...	22 6	22 0	22 0
Liebig's Ext. of Meat, Ord. £5 ...	£17½	£14½	£13½
Macleans 6% Red Pref. ...	23 1½	23 0	22 6
Mellin's Food, 6% Pref. ...	2 6	1 9	2 6
Nathan, J. (Glaxo), 7% Pref. ...	25 7½	23 9	24 3
" " 8% Prefd. 10s. ...	13 6	12 3	13 0
" " Ord. 1s. ...	7 9	7 6	7 6
Pears (A. & F.), 5% Dfd. £100 ...	£110	£105	£109
Reckitt & Sons, Ord. ...	115 0	105 0	102 6
Sangers, Ord. 5s. ...	28 6	23 6	22 9
"Sanitas," The, Co., 9% Pref. ...	32 0	32 0	30 0
Sanitas Trust, 10% partic. Pref. ...	30 0	30 3	29 0
Smith (Stephen) & Co., Ord. 5s. ...	10 9	11 9	10 6
Spratt's Patent, Ord. ...	67 0	58 3	56 3
Stevenson & Howell, 6½% Cum. Pref. ...	27 0	25 0	25 0
United Glass Bottle Man., Ord. ...	50 6	53 0	48 9
Veno Drug Co., 8% Pref. ...	27 9	26 6	26 3
Virol, Ltd., Ord. ...	28 9	31 3	31 3
" " 7% Pref. ...	25 6	24 6	24 6
White (A. J.), Ltd., Ord. 10s. ...	21 6	19 3	19 3
White (Timothy) & Taylors, 7½% Pref. ...	31 9	30 3	29 3
" " Ord. 5s. ...	34 6	31 3	28 0
Woodlands Chemists, Ord. 5s. ...	1 6	1 0	0 10½
Wright, Layman & Umney (1932), 7% cum. Pref. ...	23 9	24 6	24 4½

Government Chemist's Report

THE report of the Government Chemist on the work of the Government Laboratory for the year ended March 31, 1937, has just been issued (H.M. Stationery Office, 9d.). The total number of samples examined in the course of the year, including those dealt with at the chemical stations, was 545,261, compared with 546,279 in the preceding year, a decrease of 1,018. Decreases in the samples of tea, which were abnormally increased last year owing to the occurrence of fires at the wharves, and in sugar composite samples have been counterbalanced by increases in tobacco, silk, spirits, cocoa, wine and import-duty samples. The Sheep Scab Orders issued by the Ministry of Agriculture and Fisheries require the periodical dipping of sheep in a bath prepared from a dip which has received the approval of the Ministry. Samples of the dips as sold for use, as well as samples from the bath in use during the dipping operation, are also occasionally examined to ensure that dip and bath are of the approved strength. Eighty-nine samples were submitted, including fifteen which would not have satisfied the Ministry's requirements when prepared as directed.

Board of Customs and Excise

The work for the Board of Customs and Excise in the main comprises the examination of samples in connexion with the assessment of duty and drawback, or with the regulations relating to the manufacture and sale of dutiable articles, such as beer, table waters, potable spirits, methylated and other denatured spirits, wines, tobacco, sugar and sugar products, saccharin, coffee, silk and artificial silk, cocoa, hop products, matches and hydrocarbon oils. Under the Dangerous Drugs Acts, 1920-32, twenty-four samples were received, and of these two were dilute opium extracts and one was Indian hemp. The remainder did not contravene the Dangerous Drugs Acts. The total number of samples of hydrocarbon oils examined was 14,957, of which 9,406 were from imported and 5,545 from exported goods, the remainder being wrecked goods. Of that total of hydrocarbon oils, 2,639 were miscellaneous composite goods, such as enamels, lacquers, leather colours, paints, varnishes, garage preparations, road dressings, solvents, insecticides, medicinal and toilet preparations, essential oils, lubricants, printers' ink, etc. A number of samples was examined with a view to determine whether illegal mixtures of kerosene with motor spirit were being made. One hundred and seventy-six samples of medicine or articles offered for sale as medicine, including powders, herbs, liniments, oils and other remedies were examined in connexion with questions of liability to medicine-stamp duty, in order to ascertain the nature of the medicaments, or to ascertain their eligibility to the rebate of spirit duty as medicinal preparations. Seven hundred and ninety-six samples of wood naphtha, as well as other crude methyl alcohol naphtha, and 203 samples of pyridine and dyes intended for use in the manufacture of methylated spirits, were examined. Except in six instances the materials represented by the samples were approved as fit for methylating purposes. For the purpose of controlling methylated spirits or spirits other than methylated spirits used free of duty in connexion with manufacturing operations, 3,097 samples of special denaturants, specially denatured alcohol, recovered spirits, residues from stills and articles manufactured with industrial methylated spirits and duty-free spirits were examined.

The tobacco revenue is derived mainly from the Customs duty charged upon raw tobacco imported into the country for manufacture. The rate of duty, apart from the preferential treatment accorded to tobacco of Empire origin, depends upon (1) the form in which the tobacco is imported, i.e., whether it is whole leaf or stripped; (2) the amount of moisture the tobacco contains. Five hundred and twenty-three samples of imported manufactured tobacco, cigarettes and snuff were submitted for classification as to the proper tariff description, and the rate of duty chargeable if their importation was found to be admissible. The percentage of moisture was determined in 6,676 samples. Wines on importation are rated for duty according to their alcoholic strength. The total number of samples of wine examined was 92,289, compared with last year's number, 89,461.

"C. & D." Retail Price List

THE index figure of drugs and chemicals during the month of November showed no change from that of the previous month (154.0). Certain minor changes in price have been insufficient to make any material alteration. It is noteworthy that the figure has now remained at 154.0 for three months, a stability which has never before been experienced since the method of giving a comparative figure was instituted. The index figure of 154.0 for November compares with 147.9 in the corresponding month of last year. The surgical dressings index figure remained at 138.5, at which level it has remained stationary since last June. This compares with 136.7 in the corresponding month of last year. The important changes are set out below:—

Cost		Drugs and Chemicals	Selling Price			
d.	per		16 oz. s. d.	4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
39	lb.	Anthemidis flores exot. ..	4 10	1 5	0 5	0 1
40	lb.	Anthemidis florum exot. pulv. .	—	1 5	0 5	0 1
34	lb.	Anthemidis flores exot. sec. .	4 3	1 3	0 4	—
20	oz.	Butyl-chloral hydras ..P.I. (8)	—	—	2 11	0 5
21	oz.	Ol. limonis	—	—	3 1	0 6
19	oz.	Ol. limonis (Messina)	—	—	2 5	0 5
20	oz.	Pepsin. (scale)	—	—	2 11	0 5
30	lb.	Pulv. aloes cap. c. canella ..	—	1 4	0 5	—
81	lb.	Pulv. cinnamomi co.	—	3 0	0 10	0 2

Serological Products Abridged List		Selling Price			
		A. & H. s. d.	B. W. s. d.	P. D. s. d.	Evans s. d.
Schick Test Products ..	10 c.c. per set	—	—	18 0	12 6
Streptococcus, erysipelas ant ..	25 c.c.	8 6	8 6	—	15 0
Streptococcus, polyval. (3 c.c. conc. = 10 ord.) ..	10 c.c.	3 6	3 6	4 7	—
Streptococcus, polyval. conc. (10 c.c. conc. = 30 ord.) ..	10 c.c.	10 6	—	20 0	—
Streptococcus, polyval. ..	20 c.c.	—	—	—	6 6

Veterinary Vaccines		Selling Price	
		B. W. s. d.	Evans s. d.
Bacillus abortus (killed), 15 c.c. ..	..	—	4 6
Bacillus abortus (killed), 30 c.c. ..	..	—	7 6

Trade-Mark Applications

(From "The Trade Marks Journal," November 3, 1937)

- "CUFUCIDE"; for soil, seed and plant disinfectants (2). By Rohm & Haas Co., 222 West Washington Square, Philadelphia, Pennsylvania, U.S.A. 577,034.
- "SIMOX"; for iodised minerals (2). By H. Simon, Ltd., Bird Hall Lane, Cheadle Heath, Cheshire. 579,504.
- "PERACTUM"; for disinfectants (2). By Thornton & Ross, Ltd., The Chemical Works, Linthwaite, Huddersfield. 580,212.
- "HAXATIVE"; "HAXOLAX"; for medicinal chemicals (3). By E. Hack, 73 High Holborn, London, W.C.1. 572,158/159. (Associated.)
- "SPASMOPURIN"; for medicaments for bronchial and cardiac asthma (3). By Dr. R. and Dr. O. Weil, 11-13 Grunestrass, Frankfurt-on-Main, Germany. B575,934.
- "PERPUROTE"; for medicinal chemicals (3). By Knoll A.-G., 95 Bleichstrasse, Ludwigshafen am Rhein, Germany. 578,226.
- "QUIXILIN"; for medicinal chemicals, excluding soap (3). By Pierson, Morrell & Co., Ltd., Queens Road, Barnet. 578,647. (Associated.)

Trade Notes

TANNIC ACID JELLY.—Illustrated on this page is a new counter display card 12 in. by 9 in. with blue and red lettering, directing attention to the advantages of tannafax tannic acid jelly which is made by Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C.1, from whom cards may be obtained on application.



ADHESIVE PLASTER REMOVING AGENT.—A new agent for removal of adhesive plasters from hirsute and tender skin quickly and without pain has been introduced in desol, which is a non-inflammable preparation containing iodine. It is easily removed, economical in use and safe. The manufacturers are the Plastergon Chemical Co., Ltd., 41 Ferdinand Street, London, N.W.1. Sizes range from ½-oz. to 1 gallon. A booklet has been issued giving further details, and may be obtained on application.

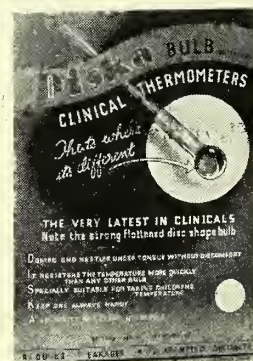
VOCALZONE PRODUCTS.—The Vocalzone Co., Carmarthen, state that their preparations can be obtained from any of the usual wholesale houses. Vocalzone products include pastilles, solution, nasal capsules, etc. Window show terms are obtainable on application.

EPHEDRINE ANNOUNCEMENT.—The Laking Chemical Co., Ltd., Goldstone Chemical Works, Hove, 4, Sussex, announce in this issue that they attach to all invoices a signed guarantee that their products are manufactured from natural B.P. alkaloid and not from synthetic ephedrine.

MEDICINAL SPECIALITIES LIST.—Allen & Hanburys, Ltd., Bethnal Green, London, E.2, have introduced a new medical specialties list which replaces a former book with the title "Medicamenta Recentia." It contains concise descriptions of the specialties and list of sera and vaccines. It is octavo size and contains 132 pages.

CHRISTMAS DISPLAY STAND.—A new Yardley display stand primarily issued for the Christmas trade is available for the customers of Yardley & Co., Ltd., 40 Piccadilly, London, W.1. We are informed that the background and base are covered in a heavy enamelled paper with floral design in colour. The pillars are solid in construction, and a red overlay is cutter crushed on to the columns. Particular attention has been paid to the size of the display, the measurements being: length 2 ft. 2 in., height 1 ft. 4 in., and depth 9 in.

NEW TYPE OF CLINICAL THERMOMETER.—The diska bulb clinical thermometer is held to present several advantages over the ordinary variety. Included among these, are that the dome-shaped end rests under the tongue without discomfort. It rapidly registers the temperature and is specially suitable for use with children. Illustrated is a showcard printed in colour with a giant diska showing. Supplies may be obtained from all wholesale houses. Sole manufacturers are A. C. Cossor & Son (Thermometers), Ltd., Accoson Works, Finsbury Park, London, N.4.



MAGSORBENT, which is described as the original brand of synthetic hydrated magnesium trisilicate, was reduced in price on December 1. A bonus offer by the makers of thirteen to the dozen is available. Full details of the new prices are given in our advertisement pages or from Kaylene, Ltd., Waterloo Road, London, N.W.2.

Marriages

GRANT—KINNEAR.—At the Abbey Church, Arbroath, on November 20, Arthur Ramsey Grant, M.P.S., to Lizzie Kinnear.

JOINER—BLAKEY.—At Dundee, on November 23, William Burns Joiner, M.P.S., to Annabelle McGavin Blakey, M.P.S.

WHITE—LANG.—On November 24, James Alfred White, M.P.S., son of Mr. J. A. White, M.P.S., Shipley, to Betty Mary Lang.

Deaths

BARKER.—On October 20, Mr. William Bradley Barker, M.P.S., St. Annes-on-the-Sea, aged forty-six.

BEALL.—At 97 Milton Road, Cambridge, recently, Mr. Samuel Smart Beall, M.P.S., aged eighty-two.

COMYNS.—At Sandhurst, Camberley, recently, Mr. Joseph Robert Comyns, retired chemist and druggist. Mr. Comyns went to Carshalton from Halifax in 1900. Owing to failing health, he retired in 1931. The business at Carshalton is continued by his son, Mr. John Comyns, M.P.S.

DREW.—Recently, Mr. John Drew, chemist and druggist, 26 Sandford Road, Moseley, Birmingham, aged eighty-five.

HALSTEAD.—On November 25, suddenly, Mr. Halsey Clegg Halstead, chemist and druggist, 22 Bank Street, Rawtenstall. Mr. Halstead, who qualified in 1902, succeeded his father in business.

HOEY.—At Belmont Avenue, Donnybrook, Dublin, on October 5, Mr. Thomas F. Hoey, L.P.S.I. Mr. Hoey was for many years on the staff of Hayes, Conyngham & Robinson, Ltd., Dublin, and for a period was manager of the firm's Rathgar branch.

HUGHES.—Recently, Miss Gladys Hughes, chemist and druggist, 1 Willows Road, Walsall. Miss Hughes qualified in 1922.

HUNTER.—At 10 Priory Road, West Bridgford, Nottingham, on October 26, suddenly, Mr. John Edwin Hunter, M.P.S., for many years one of the branch managers of Boots, Ltd., in Nottingham, aged sixty-one.

LEGAT.—At 43 Chorley New Road, Bolton, on November 24, Mr. William Henry Legat, founder and governing director of W. H. Legat, Ltd., manufacturing chemists, Kay Street, aged eighty-four. Mr. and Mrs. Legat celebrated their golden wedding on August 4. Mr. Legat is survived by his widow and daughter.

MCROBERTS.—Recently, Mr. H. G. McRoberts, late a joint managing director of Felton, Grimwade & Duerdins, Ltd., Melbourne, and a director of Drug Houses of Australia, Ltd.

PARRY.—Recently, Mr. William Parry, chemist and druggist, 16 St. George's Road, Waterloo, Liverpool, aged ninety-two.

SARA.—At Ashton-on-Mersey, recently, the wife of Mr. Herbert Sara, retired chemist and druggist, late of Framlingham.

Personalities

MR. W. J. LEWIS, M.P.S., Portsmouth, has been elected an alderman of the city council.

MR. A. J. CLEGG, M.P.S., Wantage, has been installed treasurer of the Wantage Lodge of Freemasons.

MR. H. P. WRIGLEY, M.P.S., St. Anne's-on-the-Sea, has been elected president of Lytham St. Anne's Chamber of Trade.

MR. W. RITCHIE BROWN, M.P.S., senior representative in Scotland and North of England for the British Drug Houses, Ltd., London, N.2, has been installed as Master of Lodge St. Conval, Giffnock, No. 1359.

Business Changes

MR. P. S. KING, chemist and druggist, has opened a new branch at 38 College Green, Bristol.

ASCOTTS PHARMACIES (1933), LTD., have opened a new branch at 5 Marlborough House, Manor House, London, N.4. Telephone: Stamford Hill 3828.

MR. A. DYER, chemist and druggist, has taken over the branch business of Mr. T. Iddon, chemist and druggist, at 153 Layton Road, Blackpool.

MR. LEWIS MCKENZIE EWEN, chemist and druggist, has taken over the business of Mr. Charles Thomson, chemist and druggist, New Deer, Aberdeenshire.

THE NORTHERN ALUMINIUM CO., LTD., announce the opening of the first Aluminium Information Bureau in this country. The bureau, which is at Bush House, Aldwych, London, W.C.2, will publish data.

MR. R. G. PARSONS, chemist and druggist, has closed his business at 1 Houghton Parade, Dunstable, and is shortly opening a new pharmacy at 119A Stuart Street, Luton. (Telephone: 3262.)

BAYER PRODUCTS, LTD., have removed their northern sales office to more commodious premises at Blackfriars House, Parsonage, Manchester. 3. Telephone: Blackfriars 2781. Stocks are not held at this office.

Recent Wills

MR. HENRY MORGAN LLOYD, Ansley, The Walk, Merthyr Tydfil, chemist, who died on August 21 last at East Caister, Norfolk, left estate gross value £1,061, with net personality *nil*.

MR. ALFRED HIGGS, J.P., 42 Richmond Road, Kingston-on-Thames, Surrey, chemist, who died on September 11 last, aged eighty-one, left estate gross value £9,470, with net personality £5,746.

MR. HERBERT EDWARD KIRBY, 33 Prout Grove, Neasden, N.W.10, chairman of H. & T. Kirby & Co., Ltd., manufacturing chemists, Willesden Green, who died on August 12 last, aged seventy-eight, has left £9,333, with net personality £9,239.

Coming Events

Monday, December 6

Royal Society of Arts, John Street, Adelphi, W.C.2., at 8 p.m. Lantern lecture by Professor J. C. Drummond, D.Sc., F.I.C., on "Diet and Nutrition."

Tuesday, December 7

Birmingham Pharmaceutical Association, Scientific Section, Imperial Hotel, Temple Street, Birmingham, at 8.30 p.m. Lecture by Dr. Crawford on "Minerals in Nutrition."

South-East London Chemists' Association, Ship Hotel, King William Street, Greenwich, at 8.45 p.m. Address by Mr. G. A. Tocher on "Pharmaceutical Service."

Wimbledon and District Pharmacists' Association and Branches, Wimbledon Town Hall, at 8.30 p.m. N.P.U. meeting, address by Mr. J. Hearle on "Business Matters of the Moment."

Association of Pharmaceutical Employees, 17 Bloomsbury Square, W.C.1, at 8.30 p.m. Address by Mr. E. Moss on "Public Health."

Wednesday, December 8

Merchant Venturers' College Pharmacy Students' Association, Zoological Gardens, Clifton, Bristol, at 8 p.m. Annual dance.

Liverpool Chemists' Association, Royal Institution, Colquitt Street, at 8.30 p.m. Address by Mr. H. N. Linstead, O.B.E., on "New Headquarters Buildings."

Pharmaceutical Society, Glasgow and South Western Branch, Gordon Restaurant, Glasgow, at 8 p.m. Film, "The Use of Elastic Plaster in Modern Surgery." Commentator: Mr. Arnold Lucas.

West Middlesex Chemists' Association, Tudor Café, 15 High Street, High Wycombe, at 7.30 p.m. Meeting. Speakers, Mr. F. G. Wells and Mr. Frank Browne.

Thursday, December 9

Pharmaceutical Society, Bolton and District Branch, Empress Hall, Bolton, at 8.30 p.m. Address by Mr. H. N. Linstead, O.B.E., on "Problems of the Chemist in Business."



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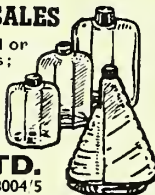
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"	Solution	1/3 & 2/6
"	Nasal Caps.	1/6 & 2/6
"	Inhalation	2/-
"	Creosoted Cod Liver Oil Caps.	3/- & 5/6
"	Creosoted Cod Liver Oil Jelly	2/9 & 5/-
"	Gargle	4/6

All subject to 25% discount.
Window show terms on application.

THE VOCALZONE CO., CARMARTHEN

PHARMACEUTICAL FORMULAS (P.F., Vol. II). Price 15s. 6d.

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PRACTICAL METHODS OF URINE ANALYSIS. Price 4s. 3d.

PHARMACEUTICAL BOTANY. Price 5s. 4d.

"THE CHEMIST AND DRUGGIST," 28 Essex Street, W.C.2.

THE

CHEMIST AND DRUGGIST

VOL. CXXVII

December 4, 1937

NO. 3017

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Cutting Out the Cut

ON another page of this issue appears the announcement that the N.P.U. have decided to take no action with regard to the Parry special committee. Further, that the Minister of Health has agreed to meet a deputation on December 6 and that the Executive have invited the president and secretary of the Pharmaceutical Society and the chairmen of the London, Liverpool, Birmingham, West Riding and Newcastle Pharmaceutical Committees to join in the deputation to the Minister. It is to be hoped that a full report of the deliberations will be made available for publication. In the meantime, however, it is proposed here to consider some of the lines on which the discussion might proceed. The point at issue is simply whether 7,000 chemists are to be paid in full. Dispensing chemists must, of course, realise that more money can be provided only by new legislation. There must be no misapprehension about this. For the moment, supposing new legislation is not possible, what alternative methods are available of securing full payment of accounts, which is the normal procedure in business relationships? There might be, for instance, a rearrangement of terms whereby all dispensing fees indicated in the Drug Tariff scale were reduced. This is not so fantastic as it may seem, because it has been proposed before and may possibly be suggested again.

The next method which suggests itself as being worthy of examination is to consider some way of reducing claims made upon the chemists' fund. Since the Ministry's suggestion for making the fund sufficiently solvent may be to reduce the rates of pay, the National Pharmaceutical Union may well suggest that the number of prescriptions be reduced. This, of course, may prove no solution of the matter, since the nation's desire for medicine and appliances is growing at almost alarming rates; but if no more money is forthcoming, then here is a method which may be well worth trying. The basic principle of the National Health

Insurance scheme, so far as the chemist is concerned, is the supply of proper and sufficient medicines and appliances, to which insurance persons are entitled. It may even be possible to save money for the chemists' fund, if a close examination of the application of this statement is made. Only insured persons are entitled to these supplies, yet chemists tell us that insurance prescriptions have been issued to persons not entitled to receive them. It must be remembered that there are parallel health schemes in existence, including public assistance and public medical services, under which patients are treated by practitioners who are also panel doctors. Are any percentage figures available of errors in filling up the appropriate prescription-forms? Further, can chemists be assured that doctors are notified in all cases immediately a person's title to benefit lapses? Insured persons are entitled only to medicines and certain appliances. What is the position of border-line products, such as vitamin preparations, so lavishly prescribed? What can be said of the reports of excessive and extravagant orders referred to us on occasion by indignant chemists? A great point should be made of the conditions of the chemist's service to-day compared with that of twenty years ago. New and expensive methods of treatment have been introduced. The cult of preventive medicine grows apace.

In this connexion, the East Anglian Joint (Pricing of Prescriptions) Committee recently received a chart showing the increase in the number of prescriptions issued by panel doctors in the area over the past twenty years compared with the increase in insured patients prescribed for. The chart shows in this period an increase of no less than 204 per cent. in prescriptions issued and only 87.8 per cent. in patients for whom they were issued. On such points Mr. Mallinson is no doubt ready with facts and figures, which alone are likely to affect the Ministry of Health. Local pharmaceutical committees should be able to afford valuable help; and if they cannot furnish sufficient data, perhaps the checking bureau of the N.P.U. can supply their quota. Very many prescriptions indeed have passed through their hands—say, 10 per cent. of all the prescriptions issued in the country. It will be interesting to know if they still follow the "penny up and halfpenny down" checking methods of twenty odd years ago. The sum handled in this time must have amounted to no inconsiderable one; and trifling as amounts are individually, the total which pharmaceutical committees have paid must be no small one. Fashions in medicine can be exemplified by analysis of those orders from year to year; for example, what quantities of liver substance, insulin, glandular and hormone preparations are now ordered compared with twenty years ago? The answer in regard to the first two is obvious, since they were unknown.

These are some of the tangible points which occur in giving thought to the present position; and as a preliminary move in the chemists' campaign, we suggest that early next year every pharmaceutical committee should launch a vigorous offensive against extravagant and unnecessary prescribing, and every chemist should appoint himself as an inspector in this direction and report cases which come within his purview, so that action may be taken. A careful watch should be kept upon irregular demands made upon the chemists' fund by the prescribing of medicines of unknown quantities and attributes. Is there not a danger that the panel service may provide a happy hunting ground for testing highly-priced medicaments which are unwillingly subsidised by the panel chemist?

An Exhibition of Showcards

AN exhibition of showcards and display pieces produced by the Maseeley roll-feed hot process was held recently at the Building Centre Galleries, 158 New Bond Street, London, W.1. The Exhibition comprised winning and other meritorious entries submitted for a national contest organised by Masson, Seeley & Co., Ltd., to illustrate the artistic and commercial possibilities of the process. Over 1,000 individual exhibits were on view, ranging from display stands and elaborate five-colour showcards and posters to simple price-tickets in a variety of shapes and sizes. The artistic standard of the productions was, in many examples, high; the colour work clean and attractive. The process consists, briefly, of impressing type, printing blocks, or even cardboard shapes, under heat, upon special transfer paper in contact with blank showcards. The transfer paper is issued in rolls; and consists of foil coated with pigment in a variety of colours and metallic lustres. By using several rolls to make up the full width permitted by the machine, a number of colours can be printed simultaneously. Instead of card, certain other bases can be used, such as celluloid, leather, wood.

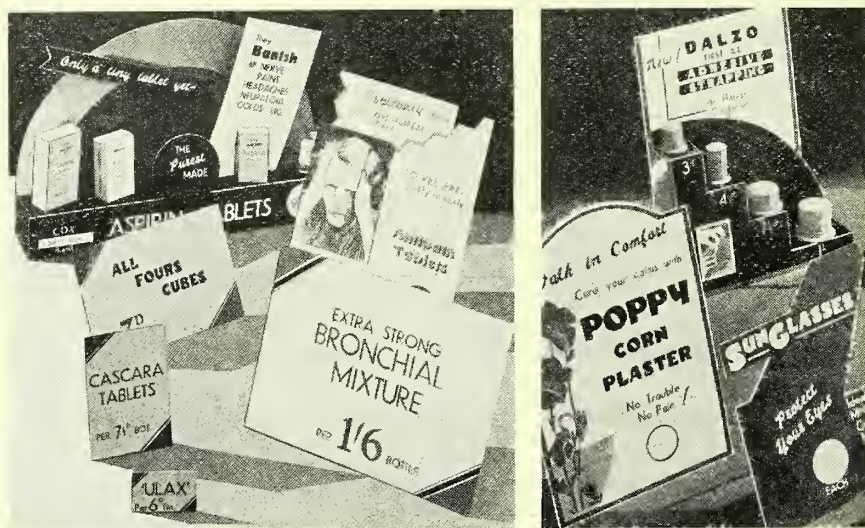
Sir Charles Higham, who officially opened the Exhibition as a vice-president of the National Display Association, was later the chief speaker at the luncheon. Mr. G. Stanley Walpole (chairman and managing director) stated that the business of his company was to market what they called an advertising unit. There were three of them in the room. On either of the two larger machines one could make every item seen in the Exhibition. The only limitation was size. All the people who had used these advertising units were invited to compete, and approximately one-fourth responded. Within three days of purchasing one of these units the material could be turned out by a person who had never seen the machine before. Each competitor was asked to produce eight items: Window bill or van poster; display stand or screen; a rectangular showcard of a certain type; a rectangular showcard made in a hurry and with no preparation; a cut-out; a washable card; and a range of four displayed price tickets in various sizes.

Speeches at Inaugural Luncheon

At the luncheon Dr. Walpole said: "This company is one of those which has consumed its own smoke. Its capital was its profits as it went along, and we have survived because of faithful customers. At the present moment there are 8,000 of our advertising units in use in this country. When we decided to manufacture everything we sold, seven or eight years ago, we put down a first-class plant, foundry and printing shop." Sir Charles Higham followed. He said that ten years ago window display was in a bad way in England, and few men thought it of sufficient importance to engage a properly qualified window-dresser. He had found a steady improvement in design in showcards and in the cut-out, and in the way the window was used. The cards were of good quality, they were well-printed, and he had imagined that they were done by some good printing house or photographer. Could anyone have thought it possible to be able to buy a line of goods in the morning and display them in the window the same day, to be able to say to his advertising manager "I want fifteen cards and two cut-outs to-night, because I want to use them in the morning"? It sounded impossible. And yet a showcard could be printed in six or seven colours and be perfectly dry. Sir Charles said his audience could gather from his remarks that he was proposing the toast of the Press. He was one of the largest users of trade papers in England. His office sent out 235 trade paper advertisements a month, entirely different, for different classes of trade papers. There was no other method under the sun by which one could sell as cheaply. Mr. John Ryan (editor

of "Shelf Appeal") replied for the Press. Other speakers were Mr. Kenneth Bellman and Mr. Buchanan-Taylor.

The following were among the prize-winners in the competition:—Hedges (Chemists), Ltd., Dale End, Birmingham



MASSELEY SHOWCARDS.—Selected cards from prize-winning entries of Arthur H. Cox & Co., Ltd., Brighton (left), and A. de St. Dalmas & Co., Ltd., Leicester, in competition organised by Masson, Seeley & Co., Ltd.

(sixth special award, £6); Chas. Midgley, Ltd., 325 City Road, Manchester; Beaufoy Wines, Ltd., Caron Place, London, S.W.; A. H. Cox & Co., Ltd., Lewes Road, Brighton (first prize, £5, for display stands); A. de St. Dalmas & Co., Ltd., Belgrave Gate, Leicester; Tenz Manufacturing Co., Ltd., Tenz House, Cambridge Place, London, W.2; Stotherts, Ltd., North Row, Atherton.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 28 Essex Street, London, W.C.2."

QUALITATIVE ANALYSIS

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture may contain metallic and acidic radicals occurring in the British Pharmacopœia, or any of the commoner radicals not mentioned in that work, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, not merely a stamp) will be received up to Tuesday, December 7, on which day the samples will be posted. Students' reports will be received up to Saturday, December 18. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the second exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who have not passed in Chemistry in the Preliminary Scientific examination in Great Britain, in the Licence examination in the Irish Free State, or in Chemistry, Part I, in Northern Ireland, which fact must be attested on their reports. They will not be awarded to former winners of tournament prizes.

National Pharmaceutical Union

Executive Meetings

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4 and 5 Queen Square, London, W.C.1, on November 24, Mr. W. W. Atkinson in the chair.

N.H.I. Topics

Early in June the secretary had written to Sir Kingsley Wood, Minister of Health, putting before him the position of the chemists under the National Health Insurance Service, and asking the Minister to receive a deputation from the N.P.U. on the matter of making further financial provision for medicines, with particular reference to the Bill for extending National Health Insurance to persons under sixteen years of age. Sir Kingsley Wood had replied stating that he appreciated the points which had been put to him, but he could not deal with the matter in his Bill and would be pleased to receive a deputation from the Union to discuss the matter. As, however, the present contracts could not be terminated before the end of 1938, and owing to the difficulty of arranging the interview during the parliamentary recess, he suggested that the interview should be postponed until the autumn.

The secretary now reported that he had interviewed the officials of the Ministry of Health with a view to securing an appointment at an early date. This had been arranged for December 6. The Executive appointed their representatives, and decided to invite the president and secretary of the Pharmaceutical Society, and the chairmen of the London, Liverpool, Birmingham, West Riding and Newcastle Pharmaceutical Committees to join in the deputation to the Minister.

The Executive decided to call the Conference of the Pharmaceutical Committees in January to receive a report upon the interview with the Minister. Letters were received from sixteen pharmaceutical committees expressing confidence in the Union to deal with N.H.I. matters.

The Executive received a report upon the Conference which had taken place in October between representatives of the Pharmaceutical Society and the Union, to discuss the relative positions of the two bodies with a view to preventing overlapping of work. The Executive approved the proposal which had been made for the establishment of a permanent *liaison* committee composed of the officers of both bodies, which could be called by either body as and when circumstances might necessitate.

A letter was received from the Pharmaceutical Society, inviting the Union to appoint a joint committee with the Society to consider matters affecting chemists in connexion with National Health Insurance, and the future relationship of the two bodies in this matter. The Executive instructed the secretary to say that it regarded the *liaison* committee previously agreed as the link between the two bodies for all purposes, but recognised there might be occasions when one or two additional members might be required when special subjects were under discussion, and this would apply to both bodies. In these circumstances, it was decided that no action be taken in regard to the proposed additional N.H.I. Committee.

A letter was received from the Ministry of Health suggesting the addition of supra-pubic catheters and rubber shields to the list of appliances in Part I of the Second Schedule. The Executive directed a reply to be sent saying that in view of the state of the drug fund no extension of the Schedule could be contemplated.

It was decided to ask the Ministry of Health to modify the Tariff formula for extract of malt and halibut oil by the addition of $2\frac{1}{2}$ per cent. of arachis oil.

N.P.U. AND W.D.T.A. JOINT COMMITTEE

The Executive received the report of the Joint Committee of the N.P.U. and the Wholesale Drug Trade Association, which had met on November 16. Various matters of mutual interest to the two organisations had been considered, including the position in regard to co-operative societies, uniformity in the size of tablets, charges for containers, and prices of insulin.

CHEMISTS' FRIENDS MOVEMENT

The Executive adopted the report of the Chemists' Friends Committee, which had recommended the incorporation in the C.F. agreement of additional clauses to protect the retailer

against any reductions of profit on articles on the C.F. List; also the provisional list of approved wholesale distributors which had been compiled for submission to the annual general meeting of C.F. manufacturers. Applications for additions to the List were accepted from D. Mawdsley & Co. (Asmolin Brand Asthma Tablets), Geo. Eade, Ltd., and the Medi-Sweet Co.

C.D.A. Business

The secretary reported that of the twenty-eight cases outstanding since the last meeting of the directors, two might be considered closed and five had been settled as follows:—Aromatic vinegar supplied for syrup of figs, claim settled by payment of £5 18s. Injury to ears alleged to have been caused by ear drops, claim settled for £6 1s. Damage to clothing caused by faulty cork in bottle, claim settled for 18s. 6d. Injuries caused by cycling errand-boy, claim settled for £55 8s. 8d. Hat damaged by collision with sunblind, claim settled for 10s. 6d.

Eighteen new cases had arisen during the month, but five of these had been settled:—Spectacles left for repair lost, claim settled for £1 12s. 6d. Damage caused by cycling errand-boy, claim settled for 17s. 7d. Injuries caused by fall through trap-door, claim settled for £44 11s. 8d. Injuries caused by falling sign, claim settled for £4. Umbrella broken by cycling errand-boy, claim settled for 6s. 6d.

Annual Meeting of C.F. Manufacturers

The second annual meeting of Chemists' Friends manufacturers was held on November 23 at the Holborn Restaurant, London, W.C.1, Mr. E. C. Cripps (Allen & Hanburys, Ltd.) in the chair. Representatives of forty-five firms were present at the meeting, which was also attended by the six members of the N.P.U. Executive who are members of the Chemists' Friends Committee. Numerous apologies for absence were received.

COMMITTEE'S REPORT

After welcoming the representatives, THE CHAIRMAN presented the report of the Chemists' Friends Committee.

The report opened with the statement that during the past year the number of C.F. manufacturers had increased from forty-seven to seventy. The most important matter dealt with in the report was the question of the control of distribution of C.F. products by wholesale.

In regard to the supply of C.F. lines by wholesalers to maternity clinics and child welfare centres, it was reported that the conditions of supply which had previously applied to manufacturers had been extended to wholesalers also and that no difficulties had arisen in this connexion.

The report was adopted unanimously.

WHOLESALE DISTRIBUTION

The principle of the distribution of C.F. products by wholesale being confined to firms included in a list of wholesalers approved for this purpose having been agreed by the adoption of the recommendation made by the C.F. Committee, a memorandum on the proposal, together with a provisional list compiled by the Committee, was considered. After a full discussion, it was decided to adopt the provisional list as drafted by the Committee, and to delay putting it into effect until C.F. manufacturers have had a further opportunity of submitting to the C.F. Committee for consideration the names of any additional firms they may wish to have included in the list.

MANUFACTURER MEMBERS OF C.F. COMMITTEE ELECTED

Nominations of the following firms as candidates for election as representatives of manufacturers on the C.F. Committee for the ensuing year had been received:—Allen & Hanburys, Ltd.; British Colloids, Ltd.; Evans Sons Lescher & Webb, Ltd.; Genatosan, Ltd.; Thomas Kerfoot & Co., Ltd.; Westminster Laboratories, Ltd. As six representatives were required, a ballot was not necessary, the firms being declared elected for the ensuing year.

USE OF CHEMISTS' WINDOWS

It was resolved: "That this meeting of C.F. manufacturers urges chemists to make more use of their windows for the display of C.F. products and deprecates the display of non-C.F. goods which are eligible for inclusion in the C.F. List."

Pharmaceutical Society of Great Britain

Council Meeting

THERE was a sequel at the December meeting of the Council of the Pharmaceutical Society to the controversy which has taken place recently regarding the steps to be taken to secure adequate recognition of the claims of the chemist in any new arrangement with the Ministry of Health under the National Health Insurance Acts. The meeting, with the president (Mr. Thomas Marns) in the chair, was held at 16 Bloomsbury Square, London, W.C.1, on December 1.

TUESDAY'S PROCEEDINGS

Among the business transacted by the Council at the meeting on November 30 were the following items:—

A letter was received from the National Pharmaceutical Union informing the Society that the Executive of the Union concurred in the proposal made at a recent conference between representatives of the Society and the Union that there should be a standing joint committee of the Society and the Union to consider matters where the activities of the two bodies appeared likely to overlap. The Executive agreed that the *personnel* of this standing joint committee should be the president, vice-president, treasurer and secretary of the Society and the chairman, vice-chairman, treasurer and secretary of the Union.

A letter was received from the National Pharmaceutical Union inviting the president and secretary of the Society to join a deputation to the Minister of Health on December 6. The invitation was accepted.

A letter was received from the Cardigan Branch, conveying the following resolution: "That we ask the members of the Pharmaceutical Council to consider the restriction on sale of strychnine for killing moles, etc., and move in the matter to get the repeal on the restriction of the sale of strychnine." The letter was referred to the Law Committee.

A letter was received from the Brighton and Hove Association conveying the following resolution: "That this meeting of all chemists from Brighton, Hove, Portslade and district expresses its complete confidence in the N.P.U. as the negotiating body in N.H.I. affairs, whilst realising that the N.P.U. would welcome any help which the Pharmaceutical Society may be able to give."

DEATHS

THE PRESIDENT, at the outset of the meeting on December 1, referred in sympathetic terms to the deaths of Mr. William Bennett, London, Mr. John Oldham Braithwaite, Ph.C., Chingford, Mr. Edward Longhurst, London, who died aged 101, and Mr. William Stewart Taylor, Inverurie. He paid tributes to the work they had done for pharmacists and gave details of their careers.

CONGRATULATIONS TO MR. PECK

THE PRESIDENT, before the ordinary business began, congratulated Mr. Peck on being elected Mayor of Cambridge.

MR. PECK, returning thanks, said he felt it was a great honour to be elected to the office of Mayor of the University town in which he had been born, bred and educated, and he greatly appreciated it. He was afraid, however, that it would mean that he would have to give up some of his work for the Council, but he would try to keep in touch with it.

N.H.I. AFFAIRS

The Essex Pharmaceutical Committee wrote enclosing a resolution to the effect that they viewed with satisfaction the offer of the Council to form a joint committee with the N.P.U. to consider matters affecting chemists in connexion with the N.H.I. Act, and hoped that as a result the resources and influences of the two organisations would be pooled.

A letter was read from Mr. G. A. Mallinson (secretary of the N.P.U.) regarding the proposed joint committee, stating that the *liaison* committee previously agreed upon as the link between the N.P.U. and the Society was all that was necessary, but the Executive of the N.P.U. recognised that there might be occasions when one or two additional members were required, and this would apply to both parties.

MR. DEACON proposed the following resolutions:—

That the Council concur in the proposal of the National Pharmaceutical Union that the proposed joint committee to consider matters affecting chemists in connexion with National Health Insurance matters shall be the Joint Standing Committee already constituted with one or two additional members added for this purpose.

That the Council's representatives on the Joint Standing Committee meet during December to prepare for consideration by the Council material for submission to the Joint Standing Committee.

MR. MCNEAL seconded.

MR. PARRY protested against the passing of such a motion, and asked whether a resolution of the Council meant anything or nothing. He regarded the proposal as an evidence either of lack of courage or a desire to act from the point of view of expediency. By passing the resolution they would affect the resolution approved at the last meeting of the Council.

THE PRESIDENT: Have you read the resolution?

MR. PARRY: Yes, and I don't like it.

THE PRESIDENT: You can vote against it.

The resolution was put to the vote, and THE PRESIDENT declared it carried.

MR. PARRY gave notice that at the next meeting of the Council he would put forward another resolution.

Messrs. Wallis and Howells were appointed additional members of the Committee.

MR. MELHUISH explained that he had refrained from taking part in the discussion on the matter because of his position. He felt that the less acrimony displayed in connexion with the subject the better it would be for pharmacy as a whole. The question then dropped.

REGISTRATION ITEMS

Two persons were elected student-associates, and the registrar was authorised to restore three persons to the Registers. The registrar reported that seven persons had been restored to the Registers, and he was authorised to remove from the Register the name of one person who had not complied with the Regulations. The registrar reported that sixty-two persons had been registered as apprentices or students.

John David Rendall and Alexander Noel Constantine, each formerly of Melbourne, Victoria, now c/o Australia House, Strand, W.C.2; Joseph Anderson Twenarton, formerly of Castledawson, co. Londonderry, now of 121 Calabria Road, Highbury, N.; William Marsden Cross, now at 2 Broadway Market, Barkingside, and Leo Patrick Joseph Daly, having complied with the Regulations, were registered as chemists and druggists in accordance with the provisions of Section 4 (b) of the Poisons and Pharmacy Act, 1908, and (where applicable) Section 1 of the Pharmacy Act, 1929.

EDUCATION COMMITTEE

The report of the Education Committee, presented by MR. ROWSELL, included a report on registrations as apprentice or student. Among other items dealt with in the report were a table showing the distribution of registrations as apprentice or student during the last four years; a decision that in future a graduate in pharmacy who had already passed in Forensic Pharmacy at the Chemist and Druggist stage should not be required to take the subject again before registration as a pharmaceutical chemist; consideration of the annual reports of the Boards of Examiners for England and Wales and for Scotland for 1937; consideration of the annual analysis of school results; consideration of two applications for approval of the conditions in manufacturing laboratories for the purpose of students wishing to undergo a practical course of study in accordance with the examination regulations, one of which was not granted; consideration of two applications for approval of the conditions in the dispensaries of institutions for the purpose of students wishing to undergo a practical course of study in accordance with the examination regulations, one of which was granted; and consideration of four applications for concessions in respect of the examination regulations, three of which were granted.

BENEVOLENT FUND COMMITTEE

The report of the Benevolent Fund Committee showed that thirteen applications had been considered and grants made or now recommended ranged from £10 to £32.

The Committee had considered the practicability of granting a Christmas bonus to the annuitants, and recommended that a bonus of £5 be given to each annuitant with the exception of the eight to be elected that day.

Mr. ANTCLIFFE said there was a substantial list of special contributions, and drew particular attention to £108 17s., the result of the Liverpool Chemists' Association annual appeal.

WAR AUXILIARY BENEVOLENT FUND

The report of this committee presented a statement showing the position of the Fund, and including the following information:—

The present book value of the assets is £2,134. The market value of the investment is, however, £410 more than the book value, so that the total sum available is £2,544. . . . A total of £2,516 is arrived at as the sum available for the general purposes of the Fund. The grants amounted to £1,150 in 1935, £1,319 in 1936 and £1,173 in 1937 (ten months), say an average of £110 per month. At this rate (assuming the market value of the investment is not diminished) the Fund will be extinguished by the end of 1939. As the commitment for the maintenance of orphans is practically ended, it is suggested that the balance of £1,019 6s. 6d. be retransferred to the accumulated fund. Only two of the applicants who are in receipt of annual grants from this fund are not entitled to assistance from the Benevolent Fund. The amount granted in these two cases is £65.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting amounted to £8,660 8s. 10d., including a balance of £38 os. 3d. and comprising the following items:—Members' fees, £27 os. 9d.; premises fees, £118 13s.; subscriptions, £3 13s. 6d.; College—School of Pharmacy, £263 8s. 6d.; College—Pharmacological Laboratories, £224 6s. 8d.; College—sale of note books, £30; registration fees, £126; restoration fees, £10 10s.; examination fees, £214 4s.; law—penalties and expenses, £51 17s.; law—inspection of premises, £175; interest on investments, £94 8s. 9d.; rentals, £95; "Pharmaceutical Journal," £1,504 2s.; pharmaceutical press, £627 15s. 3d.; F.S.S.U.—contributions, £20 15s. 10d.; F.S.S.U.—refunds, £168 3s. 2d.; S.S.S.S.—refunds, £5 2s. 8d.; multigraph charges, £7 6s. 6d.; transferred from deposit account, £4,850; sundries, £5 1s. Payments ordered at the last meeting amounted to £8,658 2s. 3d., leaving a balance of £2 6s. 7d. The amount on deposit account was £32,400. The balances on the other accounts were:—Benevolent Fund (current account), £7 18s. 10d. (amount on deposit account, £650); Benevolent Fund (donation account), £5 11s. 3d. (amount on deposit account, £150); War Auxiliary Benevolent Fund, £359 12s. 2d. (amount on deposit account, nil); Hills Orphan Fund, £45 14s. 1d. (deposit account, £300); Orphan Fund, £26 10s. 7d. (deposit account, £200). Accounts amounting to £10,781 15s. 4d. were passed for payment, and the action of the secretary in making payments amounting to £1,826 17s. 0½d. was approved.

CODEx REVISION COMMITTEE

The minutes of this Committee stated that since the previous meeting four representatives had been nominated to the Dominions and Colonies Relations Committee by the Pharmaceutical Society of South Africa and five by the Pharmaceutical Society of Canada, of whom one, Dr. R. B. J. Stanbury, had since died.

Formulas for compound syrup of concillana and elixir of caffeine iodide were approved for submission to the Ministry of Health.

A letter was received from Mr. T. D. Morson enclosing suggested amendments to some B.P.C. monographs on chemical substances prepared by a representative committee.

LAW COMMITTEE

The report of this committee, presented by Mr. JACK, showed that in England, Scotland and Wales 1,144 chemists' shops, 377 listed sellers and 103 drug store proprietors, grocers and similar traders had been visited by the Society's inspectors during the past month. It also showed that 271 drug stores and other premises had been visited by the Society's agents.

Statutory Committee

After an inquiry by the Statutory Committee of the Society, held at 17 Bloomsbury Square, W.C.1, on December 1, Mr. Bertram Ramsbottom, Ramshead Corner, Longton, Salford, and Mr. George Sanders, 157 Ombersley Road, Worcester, were struck off the Register of Chemists and Druggists.

Dealing with the case of Mr. Ramsbottom, Mr. Castle said that he was charged at the Salford City Police Court on two counts of receiving chemists' goods, knowing they were stolen, and was sentenced to a total of eight months' imprisonment. He pleaded "Guilty" to the offences. The magistrate, in passing sentence, said he was satisfied that Ramsbottom was an educated man and was responsible for the downfall of the driver and his mate who were charged with him. Mr. G. Holmes, on behalf of Ramsbottom (who attended in the custody of a warder), said that he would not be released from his sentence until May. Mr. Holmes asked the Committee to be a little sympathetic towards this man who was before them repentant. It would be a catastrophe for this man if he had to suffer twice for the same offence, and even the law did not ask that any man should. After Ramsbottom had also made a plea, Sir Ernley Blackwell (chairman) said that his name should be removed from the Register. The position was that the order did not take effect for three months, during which time an appeal could be made.

Dealing with the case of Mr. Sanders, Mr. Castle said that information had been given by the Home Office to the Society after an investigation by the chief constable of Worcester. Some time ago Sanders became addicted to narcotics, and as a consequence got into difficulties with his records of stocks of dangerous drugs. He was summoned before the Petty Sessions Court in February 1934 for offences against the Dangerous Drugs Regulations, and was convicted. His authority to be in possession of dangerous drugs was withdrawn in March 1934, but that order was suspended in May 1935. In August 1937 his authority was again withdrawn. The whereabouts of Sanders was unknown, but it was believed he was in Newfoundland. Mr. Ernest William Tinkler, chief constable of Worcester, gave evidence corroborating Mr. Castle's statement. The chairman, after a short consultation with the rest of the Committee, ordered that Sanders's name should be removed from the Register.

In a third case, it was alleged that the person affected had been guilty of such misconduct as rendered him unfit to be on the Register. Mr. Castle said that the case had been before the Committee on a previous occasion, when no decision was come to. The registrar wrote to the person affected on October 8 telling him that his case would be further considered, but the letter was returned marked "undelivered." A further letter was sent on October 22 to the parents of the person affected and apparently reached him, as he was present that day. The short facts were that a police constable was called to a shop at South Woodford which the person affected managed, and found the person affected in what he described as a drunken stupor. A doctor who examined him considered he was under the influence of alcohol. On November 3 of this year a police constable was called to a shop in Hornsey where the person affected was working, and eventually took him to the Royal Northern Hospital. The hospital doctor declined to say whether the man was drunk or ill, and discharged him at once. The police constable took him to Holloway Police Station, where he was charged with being drunk and incapable. At the police court he pleaded "Guilty," and was fined 5s. His parents had written a letter asking that he should be given another chance, as he had given a solemn undertaking not to have alcohol any more. The person affected said he was very sorry. He asked for leniency for the sake of his parents and his wife. After retiring, the chairman told the person affected that they had decided not to remove his name from the Register.

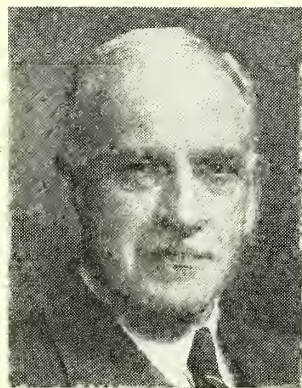
Annuitants Elected

A meeting for the election of eight annuitants of the Society was held at the Society's headquarters on December 1, the president in the chair. It was unanimously resolved that the following persons be elected: Akeroyd, Martha A.; Dye, Emma E.; Jacks, David R.; Jones, Louisa H.; Knight, Catherine E.; Miller, William H.; Trubshaw, Clara A.; Truman, Amanda.

A Lecture on Zoology

THE first Edinburgh evening meeting of the present session of the Pharmaceutical Society was held at 36 York Place on November 19, Mr. W. Spence Culbert (chairman of Executive, North British Branch) presiding. The audience completely filled the hall. The chairman presented the Ph.C. diplomas to twenty-five students who had recently passed the examination, and the Biochemical Analysis diploma to seven successful candidates.

THE CHAIRMAN, in introducing Professor James Ritchie, said in past sessions they had been favoured by having distinguished members of the Edinburgh University professoriate to open their winter session. To-night they were again fortunate, and had secured as lecturer Professor James Ritchie of the Chair of Natural History in the University of Edinburgh. Professor Ritchie had held a similar position in the University of Aberdeen, but he was no stranger, because previously he was head of the Zoology Department in the Royal Scottish Museum, Edinburgh. Professor Ritchie was a great authority on his subject, and his "Influence of Man on Animal Life in Scotland" was a standard work. He was a member of the Scottish Board of Examiners. The chairman called upon Professor Ritchie to give the Inaugural Sessional Address on



Photo] [Lafayette
PROFESSOR J. RITCHIE

Zoology and the Welfare of Mankind

PROFESSOR RITCHIE said zoology played an important part in safeguarding the health of the human race. In many ways throughout the ages the knowledge of animals had been involved in man's progress and general welfare. One of the greatest steps in civilisation had been the discovery made by the men of the New Stone Age that wild animals could be domesticated, for by making use of the labour and the resources of domestic flocks and herds man had been released from the drudgery of the daily round of food-getting, and had obtained more of the leisure required for the development of the arts and intellectual interests of life. The increase in domestic stocks and the prosperity of agriculture had been attended by an inevitable multiplication of the pests which preyed upon them, and in the control of pests zoology had found an activity which now engaged thousands of research workers throughout the world. The checkmating of agricultural pests, whether they were plants or animals, by the discovery and utilisation of their natural enemies, was a comparatively recent development, but such biological control was now responsible for the importation and breeding of many useful insects in countries foreign to them. As to man himself, the use of animals had been a stand-by of medical practice from very early times, and Professor Ritchie quoted some amusing recipes used by Persian doctors in the thirteenth century for the cure of human ailments. That type of *materia medica* had become extinct except in the pharmacopœias of the medicine men of primitive tribes; but in recent years the use of vaccines and serums and of the secretions of the ductless glands had brought into existence a new biological therapy dependent upon knowledge of the activities of the animal body. The most spectacular contribution which zoology had made to the welfare of mankind had been in the investigation and control of diseases which for centuries had ravaged the populations of this and other countries. In illustration of the transformation which the last half-century had brought about in pest-stricken regions, Professor Ritchie cited three outstanding cases, the control based upon zoological discoveries relating to the spread of plague, of yellow fever and of malaria. Finally he pointed to the investigations of heredity, of the modes of inheritance of disease and of the desirable qualities of humanity as promising guidance for the social developments of the future.

The address was illustrated by lantern slides and by cinematograph films illustrating the methods employed by the United States Government in the control of malaria and yellow fever. The films were being shown for the first time to a British audience.

Vote of Thanks

PROFESSOR STOCKMAN said that, in the name of the meeting, he desired to move a hearty vote of thanks to Professor Ritchie for a learned and instructive lecture. They had seen, in a very graphic way, the unpleasant impressions which parasites made upon man, and Professor Ritchie alluded to the popular notion about the miasma from the water pools being the cause of malaria. It was interesting to note that people living in malarial districts discovered by experience that the closing of the windows at night was a protection against infection. The malarial mosquitoes were night-flying insects, and, while the windows might be open during the day, it had been discovered that they must be closed at night if malarial disease was to be avoided. There was another interesting fact: shepherds attending their flocks during the lambing season at nights had discovered that, by erecting a high platform, they escaped malarial disease. This was because the malarial mosquito was a low-flying insect. He asked Professor Ritchie to accept their cordial thanks for his lecture.

DR. NELSON seconded the vote of thanks.

New Books

Gunn, J. A.—*An Introduction to Pharmacology and Therapeutics*. 6½ in. by 4½ in. Pp. 240. 5s. Oxford University Press, Amen House, Warwick Square, E.C.4. [This, the fifth edition of Professor Gunn's valuable little guide and introduction to the subject, brings it into accord with the U.S.P. XI.]

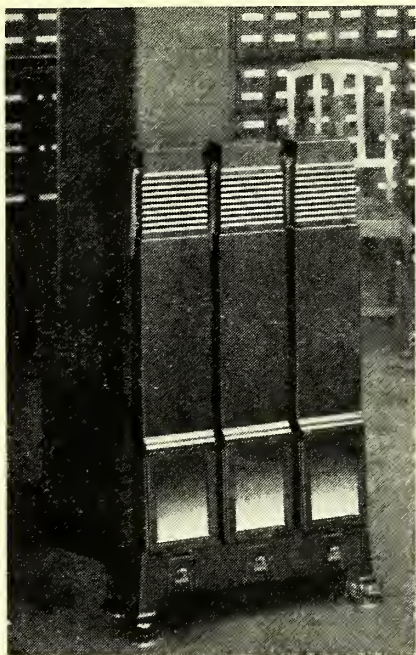
Macdonald, D. M.—*Essentials of Pharmacology, Materia Medica and Therapeutics for Medical Students*. 6½ in. by 4 in. Pp. 279. 7s. 6d. H. Kimpton, 263 High Holborn, London, W.C.1. [Dr. D. M. Macdonald has made a useful addition to his growing list of text-books. Intended primarily for medical students, his concise indications of the therapeutic action of the principal drugs should appeal to a wider circle of readers; and the "Prescribing Notes," as they are called, may save young medical practitioners from writing awkward prescriptions. It may be suggested that the section on incompatibility may with advantage be extended in the next edition of the work, and that the calculations for percentage solutions should take into account the present weight-in-volume requirements of the British Pharmacopœia.]

Goodman, Herman, B.S., M.D.—*Cosmetic Dermatology*. 9 in. by 6 in. Pp. 592. 36s. McGraw-Hill Publishing Co., Ltd., Aldwych House, London, W.C.2. [As a guide to the study and manufacture of cosmetic products this work occupies a unique position. Not only does it describe and explain the ingredients used in the industry, but it also presents an elaborate treatise on practical cosmetic dermatology with tested formulas. In compiling an impressive work of this nature careful planning is essential, and this has been admittedly conceived and carried out. The dictionary of ingredients (official and unofficial drugs) gives the action and purpose in dermato-cosmetics under which heading elsewhere in the book appears the effects of the drug. Since the physiological effect of cosmetics is frequently lost sight of, this manual is especially valuable not only to large scale manufacturers but also to the less ambitious maker who has not yet passed the stage of turning out his modest skin cream. In addition, it will be found a mine of information by the pharmacist who wishes to know more about an industry which, according to some authorities, is still in its infancy. The general tone of the work is dignified and scientific, the author holding out no extravagant claims for some of the newer medicinal substances, e.g. hormones, in regard to cosmetics. In the appendices are given tabular details of colours and perfumes. The author is to be congratulated on the production of so valuable a work to the cosmetic trade and incidentally indicating how closely the trade is linked with pharmacy.]

Heating the Pharmacy

THE Shops Act, 1934, has provided the text for a review of the present subject, in the requirement that "every part of a shop where persons are employed about the shop" must be kept at a "reasonable" temperature. This injunction has lifted shop heating out of the realm of luxury and extravagance and made it a most necessary consideration at this time of year. It is satisfactory to know that efficient heating can be obtained without disturbance of the clean-cut lines of modern pharmacy interior design.

Indeed, the simplified and forthright character of contemporary pharmacy fittings is to some extent reflected in the shape, colour and functional qualities of modern shop-heating equipment, and the increasing critical interest now shown by retailers in the appearance as well as the efficiency of apparatus for the provision of "reasonable" temperature has, during the last year or so, certainly had an inspirational effect upon the designers employed by the manufacturers of radiators. The chemist has now at his disposal such a range of designs and finishes for radiators having practically equal heating qualities that ultimate selection, governed largely by personal taste, is made only by a process of elimination.



Pylon-type gas heater (triple-unit model).
Cannon Iron Foundries, Ltd.

Gas

The introduction of gas heaters of cabinet design has had the inevitable result of decreasing the popularity of the columnar or "loop" type radiator in small shops, and these latter units of relatively unattractive and purely utilitarian appearance, though not necessarily impaired efficiency, may with advantage be relegated to use behind the scenes, in stock-room or dispensary. A heater of "pylon" design (a contemporary and more pleasing application of the column principle) is particularly popular at the present time (see first illustration). This radiator needs no flue connexion, and has a luminous flat flame burner, controlled by a constant-volume governor, near the base, faced with opalescent glass panels. The diluted products of combustion pass

sate being prevented by coating the interior surface of the front tube with vitreous enamel. This form of construction ensures that a great part of the

heat is extracted from the products and emitted in the form of low-temperature radiation, while the remaining heat is distributed by convection. Single, double or treble pylon units can be obtained in two different heights (27½ and 37½ in.), the minimum and maximum heating capacities, suitable for shops 10 to 15 ft. in height, being 950 cubic ft. and 4,500 cubic ft. respectively. The earlier models were given an old-gold finish, but the latest types are in black and chromium, a combination which blends well with the tubular furniture now often seen in modern pharmacies.

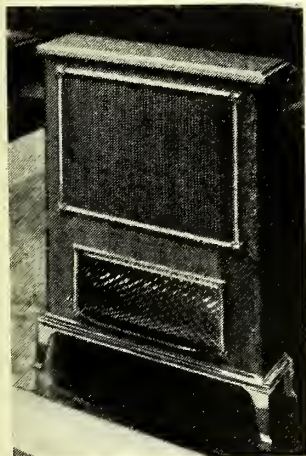
Cabinet Radiators

One cabinet radiator seen is designed to look like and form part of the furniture of the shop (see second illustration). This heater also supplies a combination of convected and radiant heat—the former being the circulation of warm air and the latter the distribution of direct or reflected rays of heat—brought about by fitting meshwork panels in the upper part of the

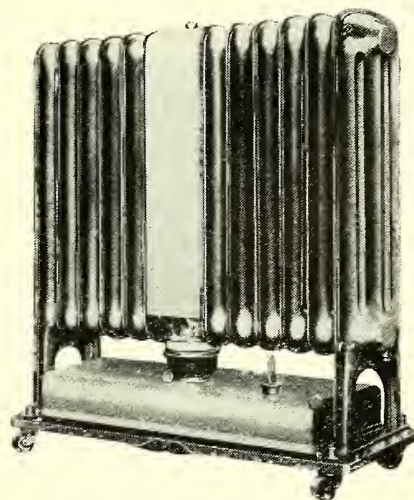
"Luma" gas heater introduced this year. *John Wright & Co., Ltd.*

radiator and a reflector for luminous radiant heat in the lower portion. The varying heating capacities required for shops of different proportions are also taken into consideration, for five different

dimensions are procurable, ranging from 26½ in. to 37½ in. in height, 17½ in. to 24½ in. in width, and having a standard overall depth of 13 in., covering 11½ in. of floor space (back to front). Finishes in which this heater is obtainable include chocolate-brown, rose, mole-velvet, and fluorescent-green, while for chemists who wish to match up with their wood fixtures there are imitation wood grain finishes—mahogany, walnut and oak. This pretence is, however, considered contrary to the best standards of modern design. There is something meretricious, if not incongruous, about a heater which looks as though it were



Cabinet-type heater with grille panels and glowing radiant.
John Wright & Co., Ltd.



Mobile oil-burning radiator. *Morris Heating Appliances, Ltd.*

up the front tube and down a rear tube (both concealed by the casing) to escape at the bottom, accumulation of conden-

made of such an easily combustible substance as wood. In a new model introduced this year (see third illustration) the whole exterior remains cool. The radiator can therefore be placed against a panelled or painted wall without disfiguring results produced by discoloration or blistering. Judged by standards of both efficiency and design, this radiator is a considerable advance on any used hitherto. The upper portion comprises a series of polished fins or vanes, and beneath this are two doors with oblique slats behind which is a reflector giving forth a warm orange range. Supplied in four finishes: Florentine bronze, steel bronze, black crystal, and brown crystal, its overall height is 35 in.

Other Forms of Heater

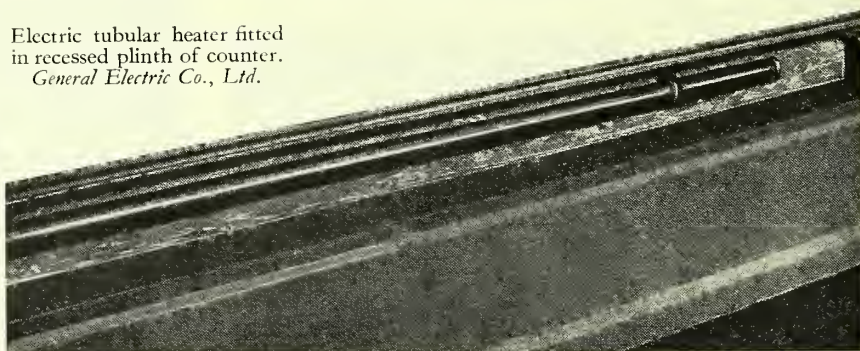
For shops in which portable heaters are desired mobile oil-burning radiators (fourth illustration) can now be obtained which run on rubber-tyred, ball-bearing castors. The makers of these radiators claim that the fuel cost is only one penny for ten hours of continuous warmth. For pharmacies in outlying districts not connected to gas or electric mains this form of heating seems to have possibilities.

For the quite small pharmacy, or for temporary use in storeroom, office or spasmodically occupied auxiliary departments such as those given up to cine demonstrations, chiropody, or optical work, portable fires consuming either electricity or gas can be obtained. Those of the former type with rod elements and chromium-plated reflectors

are in general use, and there is a useful little general-purpose fire, well suited to the staff-room or office, which can be laid on its side with the bar-protected elements facing upwards for boiling a kettle. Where, however, it is desired to create a consulting-room atmosphere, in, say, an eye-testing room or chiropody cubicle, there is a good deal to be said for the built-in electric fire which, with its glowing elements, gives out a visible radiant heat which makes a room *look* warm, and immediately suggests the kind of comfort that encourages an unhurried consultation.

Electric tubular heating (fifth illustration), though not ex-

Electric tubular heater fitted in recessed plinth of counter.
General Electric Co., Ltd.



tensively used in pharmacies at present, offers the important advantage that it can be installed in the recessed plinths of counters and fixtures.

How I Ran a Christmas Showroom

Notes on developing gift sales without prejudice to normal business

VARIETY, always more variety, is a demand of the Christmas buying public which is met by the big stores, which put away their everyday lines at this season and fill their counters with gift merchandise at all prices. The local pharmacist, with his small shop and having a multitude of items that must still be shown and sold, cannot do this. He is generally content to touch the fringe of Christmas shopping.

This was my own position four years ago, when I realised that, so far as Christmas shopping was concerned, I had reached a point that could not be improved upon, unless some new plan was adopted. So that year I decided to experiment with a Christmas showroom. A practically unused passage between the shop and a back room was cleared and decorated. Two extra lights were wired up, and a long trestle table was borrowed from a local schoolroom. The table was covered with a bright Christmassy crepe paper, and Christmas gifts were laid out in flat piles and on glass stands. To the customers I knew I suggested that they might like to see the showroom. I assured those I did not know that if they showed interest in any goods that I had on show in the shop, that I had a better selection inside. Many of my customers congratulated me on my enterprise, and thanked me for suggesting a visit to the showroom. Most people bought two or three gifts instead of the usual one. When Christmas was over I found that my takings for the period had increased by 25 per cent. over the previous year's figure.

Further Extensions

Seeing that there was something in the showroom idea, I decided that next year I would be more adventurous still. That Christmas I had an upstairs stockroom cleared and decorated. A long table was placed down each side and another down the centre. Bright paper was used to cover the tables, one of which I labelled "Gentlemen's Gifts," another "Ladies Gifts," and the third "Novelties." Small lines, such as cheap bottles of perfume, were placed round the edges of the tables, some in small heaps of one item, others assorted in small baskets. Every article and every basket was clearly priced so that customers would not be embarrassed by having to ask prices. Other articles were laid out on stands and on boxes covered with crepe paper. A Christmas atmosphere was given to the

room by the judicious use of decoration and holly. Three weeks before Christmas I circularised all my known customers and invited them to visit the showroom which had been designed for their comfort and convenience. I also advertised in the local press and, where personal contact was possible, I made the announcement by word of mouth. Curiosity evidently did the rest, and for a fortnight before Christmas my showroom was hardly empty of a customer. At times it was so full that I wondered if I had better summon outside help. My takings for that Christmas were beyond all expectations, and I was a permanent convert to the idea of Christmas showrooms.

Search for a Cause

The following year I decided to try a new venture, and instead of three long tables I hired about a dozen smaller tables. I had got the "store spirit," and was going to departmentalise. One table I confined to a single maker's products, another to gentlemen's dressing cases, a third to perfume sprays, and so on. The appearance of the finished room was quite elegant. Advertising was done as in the previous year, and invitation by word of mouth was resorted to as before. All goods were again priced. Crowds flocked to the showroom as I hoped they would, but, strangely enough, that year's takings did not reach the height of the previous year's. What was the cause? I racked my brain. Did my customers not appreciate my departmentalisation idea? Did they think that I was aping the store too closely? I thought and thought. Finally I decided that individual sales were down, and this led me to suspect that customers were not buying the same number of gifts per visit. In a crowded showroom, where walking about was rather difficult, customers had not been able to see a sufficient variety of gifts without pressing from one table to another. Even if they had managed to scrutinise every table, they had forgotten the display on the first by the time they reached the later displays.

This year I am going back to my three-table plan, one down each side and one down the middle. Variety will be my watchword, and all my gifts for the ladies will be out on one table, all gentlemen's gifts on the second, and novelties will be put on a third. I am hoping for big things, and as encouragement I am giving away a brightly coloured little greeting tab with every gift purchased.—R. G. (20/11).

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, December 2

THERE is a slightly better feeling in the markets this week, but the volume of business being transacted in most products is still only moderate. The consuming trade shows signs of slackening off and conditions as regards trade are not likely to show very much improvement during the next few weeks. In the PHARMACEUTICAL CHEMICALS markets there is again little to comment upon. VANILLIN shows no further change. EPHEDRINE is steady, with a little more inquiry for Hydrochloride (B.P.).

Crude Drugs

A restricted volume of business continues in these commodities, with prices keeping quite steady in most instances. At the Hudson Bay Company's annual sale this week of CASTOREUM all lots were sold. There was an unusually keen demand, and some of the lower-grade piles were "knocked down" at exceedingly high figures. In all cases the prices obtained were higher than those obtained in the sales of recent years. Very firm conditions continue in Curaçao ALOES. Shipment prices for Aleppy green CARDAMOMS are slightly easier this week. There was a public sale of DUCKWARI this morning. The shipment market for CLOVES is rather easier. Bergen reports shipment market for COD-LIVER OIL remains easy and dull. Inquiry of Russian ERGOT continues; other descriptions quiet. Sudan GUM ACACIA shows no sign of recovery, with spot and shipment business negligible. Spot values for HYDRASTIS are now up to the new crop shipment price. Fair inquiry for Matto Gross IPECACUANHA. Spanish-Italian MERCURY is steadier and a slight recovery in prices is possible. PIMENTO is easier forward. Rough round RHUBARB has been selling steadily on spot at full prices; stocks limited. With an increased restriction on exports, quotations for RUBBER are better. SENEGA is steady but quiet. TRAGACANTH shows no change on the week. WAXES have been quiet.

Essential Oils

Most products in this market are receiving a limited inquiry and business generally is on the quiet side. With small spot stocks and no shipment offers, values for ANISE (STAR) are fully steady. BERGAMOT remains idle. One or two sales of CASSIA reported at full prices. Ceylon CINNAMON LEAF is barely steady forward. Java CITRONELLA is quoted cheaper for shipment, with business very slow for this market. The shipment quotation for Madagascar Clove is again slightly easier. Keen spot prices quoted for Australian EUCALYPTUS. GERANIUM oils are rather easier forward; business quiet. New crop Sicilian hand-pressed LEMON has attracted a little business, but generally buyers are not interested and prefer to await developments. The shipment market for LEMONGRASS has remained quite neglected. Shipment quotations for the main crop French Guinea ORANGE are slightly cheaper on the week, with no business of importance reported. Shipment quotations of PALMAROSA are better. Japanese PEPPERMINT continues to sell well, mostly for spot and near arrival. Japanese shippers' quotations for shipment are being steadily maintained. American Peppermint is reported to be in quiet demand, and shipment quotations are barely maintained at recent levels.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	November 25	December 2
Amsterdam ...	Fls. to £	12.107	8.99	8.98
Berlin ...	Mks. to £	20.43	12.37	12.37
Brussels ...	Belgas to £	nominal	29.40	29.35
Copenhagen ...	Kr. to £	18.159	22.40	22.40
Lisbon ...	Esc. to £	110	110½	110½
Madrid ...	Ptas. to £	25.24½	nominal	nominal
Milan ...	Lire to £	92.46	95½	94½
Montreal ...	Dols. to £	4.86½	4.99½	4.99
New York ...	Dols. to £	nominal	5.00	4.99
Oslo ...	Kr. to £	18.159	19.90	19.90
Paris ...	Fr. to £	124.21	147½	147½
Prague ...	Kr. to £	164.25	142	141½
Stockholm ...	Kr. to £	18.159	19.40	19.40
Warsaw ...	Zloty to £	43.38	26½	26½
Zurich ...	Fr. to £	25.2115	21.60	21.60

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

CONDITIONS in this market are still rather quiet, with values showing no tendency to change. Vanillin is steady at the slight decline recorded last week.

ASPIRIN.—Makers' and dealers' prices are steady, average business reported: home trade, ten cwt., 2s. 7d.; five cwt., 2s. 8d.; one cwt., 2s. 8½d.; 28 lb., 3s.; 14 lb., 3s. 1½d.; 7 lb., 3s. 2½d.; 4 lb., 3s. 4½d.; 1 lb., 3s. 7d. per lb. Bulk packing free, net, carriage paid. Contracts, over twelve months, minimum one ton; over six months, less than one ton.

BISMUTH SALTS.—Makers' scales of prices are unchanged: carbonate, not less than one cwt., 6s. 6d.; 28 lb., 6s. 9d.; 8 lb., 7s. 3d.; 4 lb., 8s.; less than 4 lb., 8s. 6d. per lb.

BROMIDES.—Makers' scales of prices steady. POTASSIUM, B.P., five cwt., 1s. 8d.; one cwt., 1s. 9d.; 28 lb., 2s. per lb. SODIUM, B.P., five cwt., 1s. 10d.; one cwt., 1s. 11d.; 28 lb., 2s. 2d. per lb. AMMONIUM, B.P., five cwt., 1s. 11d.; one cwt., 2s.; 28 lb., 2s. 3d. per lb. net. Resale clause applies, 27-lb. parcels and one-cwt. cases free. Smaller quantities, than 28 lb. at higher prices. Export quotations are maintained, as follows: POTASSIUM, B.P., five cwt., 1s. 4d.; one cwt., 1s. 4½d. SODIUM, B.P., five cwt., 1s. 5d.; one cwt., 1s. 5½d. AMMONIUM, B.P., five cwt., 1s. 6½d.; one cwt., 1s. 7d. per lb., f.o.b.

BUTYL CHLORAL HYDRATE.—Market is steady: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1-lb. bottles.

CAFFEINE.—The scales for Continental material, duty paid, in 5-lb. tins, are as follows:—Pure alkaloid, two cwt., 8s. 10½d.; one cwt., 9s. 0½d.; 56 lb., 9s. 2½d.; less than 56 lb., 9s. 4½d. per lb. Citrate, two cwt., 5s. 11½d.; one cwt., 6s. 0½d.; 56 lb., 6s. 1½d.; less than 56 lb., 6s. 2½d. per lb. Soda sal., two cwt., 6s. 2½d.; one cwt., 6s. 3d.; 56 lb., 6s. 4½d.; less than 56 lb., 6s. 5½d. per lb. English makers' prices as follows: Pure alkaloid, two cwt., 9s.; one cwt., 9s. 2d.; 56 lb., 9s. 4d.; less than 56 lb., 9s. 6d. per lb. Citrate, two cwt., 5s. 11d.; one cwt., 6s.; 56 lb., 6s. 1d.; less than 56 lb., 6s. 2d.

CALCIUM LACTATE.—Limited business, market steady: one cwt., 1s. 0½d.; 56 lb., 1s. 1½d.; 28 lb., 1s. 2d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—Home makers' scale of prices continues steady: duty-paid crystals, in 1-lb. free containers, five cwt., 3s. 2d.; one cwt., 3s. 3d.; 28 lb., 3s. 4d. per lb.; 28-lb. jars, one penny per lb. extra.

CITRIC ACID (B.P. CRYSTALS).—Quoted unchanged: British material quoted at 1s. 0½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers' prices for imported materials are competitive.

CREAM OF TARTAR.—Market is steady: British materials, 99 to 100 per cent., 92s. per cwt., less 2½ per cent. discount. Dealers' prices for foreign material competitive.

EPHEDRINE.—Some inquiry for Hydrochloride (B.P.), with the limited supplies valued from 17s. 6d. upwards per oz. Pure alkaloid remains unchanged at about 27s. per oz.

GALLIC ACID.—Limited business, with values steady: one cwt., 3s.; 56 lb., 3s. 1d.; smaller parcels, up to 3s. 6d. per lb.

GUAIACOL CARBONATE.—Dealers' prices are in the region of 8s. 10d. per lb., and less for bulk quantities.

GUAIACOL (CRYSTALS).—In 14-lb. jars, 9s. 10d. per lb.; in 7-lb. bottles, 9s. 10½d.; in 1-lb. bottles, 10s. 3½d. per lb.

LACTIC ACID (B.P.).—Demand is quiet: quantities in carboys, 1s. 4½d. to 1s. 5d.; in winchesters and bottles, 1s. 6d. to 1s. 10½d. per lb., as to quantity.

MERCURIALS.—Makers' scales of prices for these salts are steady. CHLORIDE, B.P. (CALOMEL).—One cwt., 5s. 11d.; less than one cwt., from 6s. per lb.

METHYL SALICYLATE.—Makers' scale of prices, business quiet: spot, ten cwt., 1s. 1½d.; five cwt., 1s. 2d.; one cwt., 1s. 2½d.; less than one cwt., 1s. 2½d.; small quantities, in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers find business quiet: two cwt., 19s. 3½d.; one cwt., 19s. 9½d.; 56 lb., 20s. 2½d.; small parcels, 20s. 8d. per lb.

PHENACETIN.—Steady and in small demand: crystals or powder, bulk quantities, 2s. 6d.; smaller parcels, 2s. 7d. up to 3s. per lb., as to quantity.

PHENAZONE.—Competition for a limited business: crystals, five cwt., 6s.; two cwt., 6s. 2½d.; one cwt., 6s. 5d.; smaller quantities, up to 6s. 9d. per lb., with powder 2½d. per lb. extra.

POTASSIUM PERMANGANATE (B.P.).—Fair demand: bulk quantities, in drums, 9d.; druggists' parcels, from 10d. to 1s. per lb.

POTASSIUM SULPHOGUAIACOLATE.—Dealers' spot prices quoted at about 6s. 1½d. to 6s. 3d. per lb., as to quantity.

PYROGALLIC ACID.—Values continue steady: crystals, 28 lb., 7s. 3d.; 14 lb., 7s. 9½d.; 7 lb., 8s. 9d.; under 7 lb., 9s. 3d. per lb.

QUININE SALTS.—Convention prices continue unchanged: sulphate, 2s. 2d.; bisulphate, 2s. 2d.; ethyl carbonate, 2s. 9½d.; salicylate, 2s. 10½d.; hydrochloride, 2s. 8½d.; dihydrochloride, 3s.; hydrobromide, 2s. 8½d.; dihydrobromide, 3s.; valerianate, 3s.; hydrophosphite, 4s.; alkaloid, 3s. 10½d. per oz., carriage paid on bulk quantities; 100-oz. tins free, smaller packages extra.

RESORCIN.—British material only available: crystals, one cwt., 4s. 1½d.; 56 lb., 5s.; 28 lb., 5s. 1½d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., up to 6s. 6d. per lb.

SACCHARIN.—The Convention price for 550 is 37s. 6d. per lb., duty paid, with rebates for quantities.

SALICYLIC ACID (B.P.).—Not much business of any size: five cwt., 1s. 7d.; one cwt., 1s. 7½d.; 28 lb., 1s. 10d.; 14 lb., 1s. 11½d.; 7 lb., 2s. 0½d.; 4 lb., 2s. 2½d. per lb.

SALOL.—Continues competitive and in limited demand: from about 2s. 3d. to 2s. 7d. per lb., as to quantity.

SANTONIN.—No improvement in demand can be reported. First-hands indicate values at £15 per kilo, with possible sellers at less.

SODIUM BENZOATE (B.P.).—Fair business: bulk quantities, 1s. 6d.; one cwt., 1s. 7d.; smaller parcels, 1s. 7½d. to 2s. per lb., as to quantity.

SODIUM DIETHYLBARBITURATE.—The scale of prices is unchanged: spot, one cwt., 11s.; 28 lb., 11s. 3d.; 14 lb., 11s. 6d.; 7 lb., 11s. 9d.; smaller parcels, up to 12s. 6d. per lb.

SODIUM SALICYLATE (B.P.).—Business is still on a modest scale, makers' prices unchanged: home trade, crystals or powder, five cwt., 1s. 5½d.; one cwt., 1s. 6d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10d.; 7 lb., 2s.; 1 lb., 2s. 3d. per lb.

SULPHONAL.—Rather easy as quoted, business slow: crystals or powder, two cwt., 15s. 5d.; one cwt., 15s. 11d.; 56 lb., 16s. 1d.; smaller parcels, up to 16s. 7½d. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Steady, with average business passing: British makers quote at 1s. 1½d. per lb., less than 5 per cent. discount. Dealers offering foreign materials at competitive prices.

THEOBROMINE.—Prices for Continental, pure, two cwt., 7s. 10d.; one cwt., 8s.; 56 lb., 8s. 2d.; smaller quantities, 8s. 4d. per lb.; sodium salicylate, two cwt., 6s. 3½d.; one cwt., 6s. 4½d.; 56 lb., 6s. 5½d.; smaller quantities, 6s. 6½d. per lb., delivered; 5-lb. tins free; smaller packages extra.

THYMOL.—Synthetic, fine white, one cwt., 6s.; 56 lb., 6s. 4d.; 28 lb., 6s. 9d.; less than 28 lb., 7s. 6d. per lb., tins extra; ex ajowan seed, one cwt., 8s. 5d.; 56 lb., 8s. 10½d.; 28 lb., 9s. 5½d.; 14 lb., 10s. 6d. per lb.

VANILLIN.—Convention prices continue at the reduction recorded last week: five cwt., 12s. 5d.; one cwt., 12s. 8d.; 56 lb., 13s.; less than 56 lb., 13s. 2d. per lb.

Crude Drugs, etc.

AGAR.—Spot market rather quiet; shipment steady. Spot, Kobe No. 1, 3s. 7½d. to 3s. 9d., as to quality; No. 2, 3s. 6½d.; Yokohama No. 1, 3s. 6d. per lb., shipment, new crop, January-February; Kobe No. 1, 2s. 7d. paid and 2s. 7½d. to 2s. 8½d. wanted; No. 2, March-April, 2s. 6d.; Yokohama No. 1, 2s. 5½d. per lb., c.i.f.

ALOES.—The Curaçao product continues firm. Inquiry for shipment brought reply nothing available. Cape, spot, 63s. to 64s.; shipment, 62s. 6d. to 63s., c.i.f. Curaçao, spot, coarse livery, manufacturing quality, 137s. 6d.; smooth black, turning, 142s. to 145s.; livers, from 147s. 6d. to 155s. per cwt., ex store. No shipment offers.

AMMONIACUM.—Spot supplies of fairly clean pale drop at about 1s. to 1s. 1d. per lb., in bond.

ANNATTO SEED.—Market quiet, supplies small: Madras, 3½d.; Jamaican, fair colour, 4½d. per lb., ex store.

ANTIMONY.—Chinese crude, spot, £45; shipment, November-December, £38, c.i.f. English regulus, £81 to £82 per ton.

ARNICA FLOWERS.—Dealers quoting small parcels on spot at about 1s. 3d. per lb., ex store.

BALSAMS.—Canada continues firm on spot at about 5s. 3d. and the shipment quotation fully supports this higher value.

BELLADONNA.—Dealers' quotations are steady: leaves, 55s.; root, 47s. 6d. per cwt., spot.

CAMPHOR.—Steady business at former prices. Japanese manufacturing BB grade, £8 10s. per 100 lb. Japanese, spot, tablets, 2s. 7½d.; powder, 2s. 4d.; slabs, 2s. 3½d. per lb., ex store; shipment, tablets, 2s. 3½d.; powder, 2s. 1d.; slabs, 2s. 0½d. per lb., c.i.f.; English refined flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz. and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz. and ¼ oz., 3s. 6d. per lb.

CARDAMOMS.—Green Aleppy are rather easier, with shipment at 2s. 8d., c.i.f. Bombay seed, 4s. 1d., c.i.f. At the last public auction

30 cases of Duckwari were catalogued, consisting of bold, medium and small pods and some splits and seeds. Only a few lots of lower quality were sold, the bulk being "taken in" at current prices.

CASCARA SAGRADA.—Spot market quiet; shipment fully steady: 1937 peel, 48s. 6d. per cwt., c.i.f., with spot holders asking 58s. to 60s. per cwt.; old bark, from 65s. to 70s. per cwt., ex store.

CASTOREUM.—The annual sale of the Hudson Bay Company was held on Wednesday last, when 1,453 lb. were offered, against 1,779 lb. in 1936. The quality of the consignment was quite good, consisting mostly of fresh palish pods, there being no "carry-over" from the last auction, when everything offered was cleared. The demand exceeded all expectations, and everything was cleared "under the hammer," with brisk competition. Prices for all grades showed a substantial advance, and values reached the highest level secured for many years. As each individual lot was offered and the sale progressed, bidding became exceptionally keen, and for the lowest grade, viz. "Cuttings," there was an advance on last year's value of 45s. per lb. Pile 1 showed an advance of 24s. per lb. and Pile 2 an advance of 40s. per lb. Pile 3 was also sold at an increase on the average of about 70s. per lb., and "Pickings" showed an advance of 52s. per lb. The demand from the home trade was good, whilst there were a number of orders from the Continent, many of which were unfulfilled, as apparently they were given on much lower limits than those realised in the sale. We give below full details of the offerings and prices realised, together with last year's prices:—

	Quality	Offered	Price 1936	Price 1937
		Lb.		
NW	Firsts ...	132	60/-	84/-
	Seconds ...	280	42/- to 42/6	80/- to 88/-
	Thirds ...	528	35/- to 37/-	82/- to 126/-
	Pickings ...	364	33/- to 34/6	84/- to 87/-
	Cuttings ...	100	26/- to 26/6	71/-
	Waste ...	49	—	12/-

CLOVES.—Market is quoted easier and remains dull. Zanzibar, spot, 8d.; shipment, December-January, 7½d. per lb., c.i.f. Madagascar, in bond, 7d.; shipment, December-January 5½d. per lb., c.i.f.

The landings of Zanzibar in London during the week ended November 27 were nil and the deliveries 63, leaving a stock of 1,510. From January 1 to date the landings of Zanzibar have been 5,953 and the deliveries 4,843. Landings of Madagascar for the week ended November 27 were 4, and the deliveries 214, leaving a stock of 2,970. From January 1 to date the landings of Madagascar have been 5,272 and the deliveries 3,468 packages.

COCONUT (DESICCATED).—At the further slight decline the market is steadier: spot, fine, 19s. 6d.; medium, 19s. per cwt.; shipment, halves, December-January, 18s. 3d. per cwt., c.i.f.

COD-LIVER OIL.—Bergen reports the shipment market continues dull and is easy as quoted: finest Lofoten steam refined non-freezing medicinal oil, 98s. to 100s. per barrel, c.i.f., London. Small lots on spot, about 140s. per barrel, ex store, duty paid. British finest medicinal oil is quoted at 110s. per barrel, delivered U.K., with rebates for 25, 50 or more barrels.

COLOCYNTH.—Dealers quoting bulk supplies of pulp at 1s. 2d. to 1s. 3d. per lb., as to quantity and quality.

DANDELION ROOT.—Market remains dull: good clean Continental root at about 70s. to 72s. 6d. per cwt., ex store.

DIGITALIS LEAVES.—Occasional business on spot with small parcels quoted at about 95s. per cwt., ex store.

ERGOT.—Inquiry continues for Russian but nothing offering from the source. Business done from Hamburg at 5s. 1d., c.i.f. Spanish/Portuguese, spot, 5s. 3d. to 5s. 4d.; shipment, about 5s. per lb., c.i.f.

GINGER.—Shipment market for West African is easier at 40s. 6d., c.i.f.; spot, 56s. per cwt. Jamaican, spot, small grinding, in bags, 62s. 6d.; bold, in barrels, 82s. 6d. to 85s. per cwt.

HENBANE.—Occasional small parcel business at about 75s. per cwt., ex store.

HENNA.—Market steady but quiet: Egyptian, green, 33s. to 34s.; brown, 30s. per cwt., ex store, as to quantity.

HONEY.—Values are fully maintained, while business is unimportant. Jamaican, dark manufacturing, 39s. up to 50s. for pale set. Californian, white clover, 52s. 6d., duty paid. Canadian, new crop, in small supply at 57s. 6d. to 60s. per cwt.

HYDRASIS.—The spot market is now steady at 15s. per lb. Shipment, new crop, is firm at 15s. per lb., c.i.f.

IPECACUANHA.—Some inquiry, with quotations steady. Matto Grosso, B.P. test, spot, 8s. 3d.; shipment, 7s. 9d. per cwt., c.i.f.

IRISH MOSS.—Quotations for small spot parcels from 45s. to 60s. per cwt. for druggist qualities, ex store.

JUNIPER BERRIES.—Good sifted berries quoted on spot at about 27s. 6d. per cwt., ex store.

KOLA NUTS.—African halves are available on spot at about 3½d. per lb., ex store.

LAVENDER FLOWERS.—Spot supplies of new crop, good blue flowers, quoted at about 130s. per cwt., ex store.

LIQUORICE ROOT.—Medium quality decorticated quoted at about 37s. 6d. per cwt. Natural root is valued at about 12s. 6d. per cwt., ex store.

LOBELIA HERB.—Market has been quiet: 6½d. to 7d. per lb., as to quantity and seller.

LYCOPodium.—Values steadier, business fair: spot, about 5s. 4d. to 5s. 6d. per lb., ex store.

MANNA.—Dealers quote small parcels of new crop finest selected at 3s. 6d. per lb., in 1 lb. tins.

MENIOL.—Fair demand continues on spot and for near afloat goods; market steady. Japanese, K/S brands, 13s. 9d. to 13s. 10½d.; in bond, 12s. 3d.; near afloat, 11s. 6d., c.i.f.; to arrive at about the end of the year, 11s. 3d., c.i.f. Japanese shippers quote December-January, 10s. 9d.; January-March, 10s. 6d. per lb., c.i.f.

MERCURY.—Market is reported to be fully steady. London stocks available: quoted at 64 dollars per bottle, f.o.b. Continent: spot, £13 to £13 os. 6d. per bottle, ex store.

OPIMUM.—Small demand, market steady: Turkish, original cases of 170 lb., 12½-13 per cent., 1s. 1½d.; Persian, 12 per cent., 1s. 1d. per unit, landed and duty paid.

ORANGE PEEL.—Parcels of thin cut are available from 11½d. to 1s. 2d. per lb., as to quality and quantity. Bitter quarters are scarce and quoted at 11d. per lb.

PEPPER.—Market rather quiet. Lampung, in bond, 2½d.; shipment, January-March, 2½d.; March-May, 2½d., c.i.f. Tellicherry, spot, 4d.; shipment, January-March, 3s., c.i.f. Aleppy, spot, 4d.; shipment, January-March, 3s., c.i.f. White Muntok, in bond, 4d.; shipment, November-December, 3½d.; January-March, 3½d., c.i.f. London Terminal Market: Black, December, 2½d.; March, 2½d.; May, 2½d. White, December, 3½d.; March, 3½d.; May, 3½d. per lb.

PIMENTO.—Market has been quiet and is easier forward: spot, 8d. per lb., shipment; December-January, 66s. per cwt., c.i.f.

RHUBARB.—A good deal of last week's arrival of Rough Round has been sold; remainder offered at 2s. 7½d. for all pinky and 2s. 6½d. for f.a.q., ex store. No offers from the source. Some flat Shensi quoted from Hamburg at 4s. 6d., c.i.f.

RUBBER.—The export quota for the period January-March, 1938, has been fixed at 70 per cent., a further 20 per cent. reduction. As a result of this decision the market is much steadier and values are improving. Standard ribbed smoked sheet, spot, 7½d.; December, 7½d.; January, 7½d.; February, 7½d.; March, 7½d.; April-June, 7½d. per lb.

SAFFRON.—Small business with genuine Valencia steady at 74s. to 76s. per lb., ex store.

SENEGAL.—Not much business moving; spot, about 2s. 2d. to 2s. 3d.; shipment, new crop, 2s. 2d. per lb., c.i.f.

SENNA.—The market continues steady, with a fair amount of inquiry. Tinnevely leaves, fair green quality offers on the spot as follows: Bold at 6½d., No. 1 at 5½d., No. 2 at 3½d., No. 3 at 2½d., No. 4 at 2½d. per lb. Tinnevely hand-picked pods are available at 3½d. to 5d., according to quality, with manufacturing Tinnevely pods in small supply on the spot at about 2½d. per lb., ex wharf, London. Alexandrian hand-picked pods: Finest quality is now extremely difficult to find, spot quotations are as follows: Selected at 5s. to 5s. 3d., No. 1 at 3s. 6d. to 4s., No. 2 at 2s. 3d. to 2s. 9d., No. 3 at 1s. 6d. to 2s. per lb., with ordinary low grades offering at 1s. to 1s. 3d. per lb., ex wharf, London.

SHELLAC.—Values show a recovery this week. Standard TN orange, 43s. to 46s.; fine orange, 60s. to 92s. 6d.; pure button, 55s. to 60s. per cwt. For delivery, TN, December, 42s.; March, 44s. 6d. For arrival, TN, December-January, 42s. per cwt., c.i.f.

SLIPPERY ELM BARK.—A limited business in small quantities reported: grinding quality at 6½d.; clippings at 8½d.; selected loose slabs at 1s. 2d.; 5-lb. wired bundles of selected quality, 1s. 9d. per lb., ex store.

SIRAMONIUM LEAVES.—Some good green Hungarian leaves available in small lots on spot at 37s. 6d. per cwt., ex store.

TRAGACANTH.—Values for all grades are steady, with a quiet demand, mostly for the medium gums, valued at £30 to £50 per cwt., ex store.

WAXES.—BEES'.—Business quiet: values quoted unchanged. Calcutta, bleached, spot, 140s.; shipment, December-January, 138s.; ordinary quality, spot, 115s.; shipment, December-January, 110s., c.i.f. Beuguella, spot, 112s. 6d.; shipment, December-January, 107s. 6d., c.i.f. Conakry, spot, 112s. 6d.; shipment, 107s., c.i.f. Dar-es-Salaam, spot, 122s. 6d.; shipment, December-January, 117s. per cwt., c.i.f. CARNAUBA.—Values for near positions are fully steady. Fatty grey, spot, 170s.; shipment, afloat, 161s., c.i.f.; December-January, 147s. 6d.; January-February, 145s., c.i.f. Chalky grey, spot, 167s. 6d.; afloat, 162s. 6d.; shipment, December-January, 145s.; January-February, 142s. 6d. Primeira, spot, good quality, 220s.; f.a.q., 212s. 6d.; shipment, December-January, 190s., c.i.f. Mediana, spot, 200s.; shipment, 182s. 6d., c.i.f.

Essential Oils, etc.

The demand for most of the products of this market continues limited. Japanese peppermint is fully steady and in good demand. French Guinea orange remains quiet.

ANISE (STAR).—Market fully steady, supplies limited: spot, tins in cases, 5s. 6d.; drums, 5s. 3d. per lb. No shipment offers. It is reported that some goods due for shipment in November have not yet been dispatched; if possible, they will be shipped this month.

BERGAMOT.—So far there is little interest in this market. Shippers are making practically no offers, with the price nominally unchanged at about 15s. 6d. per lb., c.i.f. Reports received in London this week on new crop are conflicting as to the probable quantity; it is, however, considered that any change that may be made in the Consortium price for new crop oil may be to a slightly lower level. Spot values from 15s. 3d. to 15s. 9d. per lb., with small business passing.

BOIS DE ROSE.—Quiet demand, small spot supplies: drums, 6s. 1d.; smaller packings, up to 6s. 4½d. per lb. No shipment offers from the source.

CAJUPUT.—Business slow, quoted unchanged: B.P., 2s. 6d. to 2s. 9d. per lb., as to quantity; shipment, 2s. 2d. per lb., c.i.f.

CARAWAY.—Values steady, inquiry poor: Dutch rectified, 7s. 9d.; crude, 7s. 4d. per lb., landed and duty paid.

CASSIA.—Some spot holders are not willing to sell at less than 3s. 8d. to 3s. 9d. and up to 4s. for small parcels. Occasional shipment offers at about 3s. 5½d. per lb., c.i.f.

CINNAMON LEAF.—Market tends to be unsteady, with drums for shipment about 2s. 7½d. per lb., c.i.f.

CITRONELLA.—Shipment business for this market remains very quiet, Java quoted easier: Ceylon, spot, drums, 1s. 9½d.; smaller parcels, up to 2s.; shipment, drums, 1s. 5d. per lb., c.i.f. Java, spot, drums, 2s. 1d. to 2s. 2d.; smaller parcels, up to 2s. 7d.; shipment, drums, 1s. 8d. per lb., c.i.f.

CLOVE.—Shipment market for Madagascar is none too steady, business quiet: quoted at about 2s. 8½d. per lb., c.i.f., for bulk quantities, in drums. Zanzibar exports of clove oil during the twelve months April 30, 1936, to June 1, 1937, were valued at £9,359.

EUCALYPTUS.—A moderate spot business reported, mostly at keen prices; shipment quotations firm: Australian, 70 to 75 per cent., 1s. 7½d. to 1s. 8d., in drums; 1s. 8½d., in tins; 80 to 85 per cent., 1s. 10½d. per lb., in drums, if available; higher prices for small lots on spot. Shipment, 70 to 75 per cent., 1s. 5½d., in drums; 1s. 6½d. in tins; 80 to 85 per cent., 1s. 7½d. per lb., c.i.f., for December shipment.

GRAPE-FRUIT.—Business slow, market steady: Florida oil, 10s. 6d. to 11s. 6d. per lb. Californian, 10s. 6d. to 12s. per lb., as to quantity.

HO (SHIU).—Occasional small demand, with spot sellers of "improved" quality oil in drums at 4s. per lb., ex store. Shipment, extra quality, 3s. 9½d. per lb., c.i.f., in drums.

LEMON.—There has been a little more inquiry for new crop oil to come forward in January, but actual business so far does not amount to much. The source reports that the sale of boxed fruit has been good this season, and to some minor extent this may affect the output of oil. Prices quoted for recognised brands are keeping steady at about 9s. 2d. to 9s. 6d. per lb., c.i.f. Spot values are quoted in the region of 9s. 3d. to 10s. 6d. per lb. Californian distilled, regular quality, 6s. 4d. per lb., ex wharf.

LEMONGRASS.—This market has remained very slack: shipment, 1s. 6d., c.i.f.; spot, 1s. 8d. to 1s. 10d. per lb., as to quantity.

ORANGE.—Shipment offers of French Guinea at slightly under 3s., c.i.f., were reported this week, but these may refer to the small crop oil, which is usually rather dark in colour. Main crop oil is not yet available even at the source; there are shipment offers at 3s. 2d. per lb., c.i.f. Tanganyika bitter oil, in drums, 8s. per lb., ex store. Californian, small drums, 4s. 2½d.; tins in cases, 4s. 3½d.; single cases, 4s. 6d. per lb., ex store. Californian, hand-pressed, 5s. 6d. to 5s. 9d., duty paid; shipment, 5s. 1d. per lb., c.i.f., in bulk quantity.

PALMAROSA.—Any oil on spot is valued at about 8s. 3d. per lb.; shipment is quoted at about 6s. 6d. per lb., c.i.f., in drums.

PEPPERMINT.—Fair business continues, market fully steady: Japanese, spot, 4s. 11d. to 5s. 1d., as to brand and seller. Near afloat, 4s. 9d., c.i.f., and due at end of the year, 4s. 6d., c.i.f. Japanese shippers quote December-January, 4s. 4d.; January-March, 4s. 2d., c.i.f., with bids at slightly less refused. On the market, January-March is offered at 4s. 1d. per lb., c.i.f. The American natural oil is reported to be quiet, with quotations for drums ranging from 2 dollars 5 cents to 20 cents per lb. c.i.f.

SPEARMINT.—Market is steady for U.S.P. quality oil, with spot 8s. 4d. to 8s. 6d. per lb., as to quantity and seller. Shipment, about 8s. per lb., c.i.f.

SPIKE.—Recently it appears to have been very difficult to effect shipment from the source. Genuine Spanish oil on spot is firm as quoted from 5s. 6d. to 6s. per lb. as to quantity. Inferior oils at cheaper prices.

Correspondence

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Treatment of Rheumatism

SIR,—Your leading article in THE CHEMIST AND DRUGGIST of November 13 entitled "War on Rheumatism" is most timely. The further one inquires into the problem the less it appears has been known in the past about the cause of this disease. Even the terminology on the subject is in a state of chaos. It seems that the word "rheumatism" should strictly only be applied to rheumatic fever, while "arthritis" must only be applied to the joints. Your reference to the possibility of a nutritional deficiency playing a part in the cause of rheumatism is, however, a very important one. I should like to bring forward in this connexion the striking work of Dr. Vorhaus in America. Dr. Vorhaus was associated with Professor R. R. Williams of Columbia University, who was the worker who first made pure synthetic vitamin B. Vorhaus has treated 250 cases of rheumatism with this substance and given relief in about 90 per cent. of all the cases. These results are very impressive, and it is obvious that the inclusion of a maximum amount of vitamin B in the diet of sufferers from this disease cannot fail to bring a great deal of benefit.—Yours faithfully,

MAGNUS PYKE,
Chief Chemist, Vitamins, Ltd.

London, W.6.

Negotiation on N.H.I. Terms

SIR,—If, as has been suggested, the mere removal of discounting represents the sum total of the policy to be followed in the forthcoming negotiations, then it is time to "strike" and absolutely refuse to work the Act under such absurd conditions. What is required (and should be demanded) is a considerable increase in the fees for the service (including the removal of the discounting). If there is not enough money for the purpose, the obvious way is to detach a "bob" or two from the doctors' fees and attach to the chemists', or at any rate pay the doctors for work done and not on the length of their panel lists.—Yours, etc.,

F. H. SLINN.

Rhyl.

Putting Pharmacy "On the Map"

SIR,—It is obvious that Mr. F. W. Yeomans has quite failed to grasp the idea of sane pharmaceutical advertising. No one with any sense would in these days advocate advertising the individual pharmacist as against the company chemist, nor would he confuse the issue by comparing the collective propaganda suggested on behalf of the pharmacist with the £6,000,000 spent by proprietary medicine manufacturers in advertising hundreds of different preparations. The company advertising to which I referred in my previous letter stressed the value of the qualified chemist in the supply of medicines and did not decry the individual pharmacist. I suggest the loss of approximately £12,000 a year on various commercial ventures of the Pharmaceutical Society might easily be converted into a profit for the trade in general if it were spent on careful and judicious publicity.—Yours faithfully,

VACANCY (19/11).

Coding Prescriptions

SIR,—"Coding Prescriptions" provided a subject for a useful discussion at the annual meeting of the Ulster Chemist's Association (p. 635). I have long held the opinion that coding of scripts is one of the easiest and most practical methods of bettering the condition of the dispensing pharmacist. What private dispensing he has is rapidly going from him, from various causes; it is the more necessary, therefore, that he should conserve what little he has left to him by agreeing with his brethren on a standard method of pricing. The pharmacist needs courage. First, if he is the original dispenser of the script, to affix the code, and second, if he dispenses a coded script, to charge the code price. If local associations would discuss this matter and take practical steps to put a pricing system into force the problem would easily be solved. The pity is that pharmacists as a class are sometimes least active when their real interests are threatened.—I am, etc.,

CODATOS (30/11).

Miscellaneous Inquiries

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

J. B. (23/11).—GLYCERIN ANTIFREEZE.—Glycerin antifreeze solutions for motor-car radiators are generally made about 20-25 per cent. by volume. The freezing point of a 20 per cent. solution is 23° F. and that of a 30 per cent. is 15° F.

B. & C. (22/11).—ALL FOURS CHEST AND LUNG SYRUP.—We think the following formula will meet your requirements:—

Succ. glycyrrh.	...	...	3j.
Chlorodyn	...	...	3j.
Ol. menth. pip.	...	...	℥xxv.
Ol. anisi	...	...	℥xxv.
Ol. gaulther.	...	...	℥xxv.
Spt. vini rect.	...	...	3ss.
Theriacae nigrae	...	...	lb. j.
Aq.	...	...	ad 3xl.

H. L. (22/11).—COLOUR OF ALOES.—In glassy or vitreous aloes, crystallisation of the active principle, aloin, has not taken place, whereas "livery" or hepatic aloes is opaque owing to the crystals of aloin embedded therein.

W. I. L. (30/11).—BRILLIANTINE CONTAINING CHOLESTEROL.—The best oils to use are the vegetable ones with 1 to 1.5 per cent. of cholesterol and, of course, a preservative of which an ester of parahydroxybenzoic acid is most suitable. The following formula gives a good product which may be perfumed as desired:—

Peach kernel oil	...	...	100
Cholesterol	...	...	1.5
Nipagin M	...	...	0.25

The cholesterol and preservative should be rubbed down with the oil and dissolved by means of gentle heat.

If a brilliantine-cream type of product is required, experiments might be made with the following formula, although the first is to be preferred, since it presents the cholesterol in a form most readily absorbed:—

White soft paraffin	...	...	100
Cholesterol	...	...	1.5
Nipagin M	...	...	0.25
Nipazol M	...	...	0.05
Distilled water	...	...	15 to 20

The preservatives and the cholesterol should be dissolved in the paraffin as before, the mass cooled, and the requisite quantity of water worked in. If the product is too sticky, part of the soft paraffin may be replaced with liquid paraffin.

V. D. C. (8/11).—FRENCH POLISH STRIPPER.—The information you give is too vague for us to be able to recognise either of the substances you mention.

C. H. (2/11).—SLIMMING CREAM.—It is not clear from your description whether a casein massage cream is intended or a preparation such as the following: Lanolin 50 gm., soft paraffin 50 gm., tincture of benzoin 20 drops, mixed with water in which 10 gm. of potassium iodide has been dissolved. The perfume can be added as desired.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," December 3, 1887

Artificial Silk

M. de Chardonnet has communicated the following process to the [Paris] Academy of Sciences. A solution of 3 grams of guncotton is effected in 100 or 150 grams of a mixture of equal parts of alcohol and ether; next 2½ cubic centimetres is added of a 10 per cent. solution of dry ferrous chloride in alcohol, and finally 1½ c.c. of a like solution of tannin. The mixture being filtered is introduced in a vessel provided with a very fine glass or platinum point, which leads into a vase filled with water acidulated with 0.5 per cent. of nitric acid. On reaching the acidulated bath the solution immediately solidifies into a thread which may be spun by a uniform drawing motion. The thread, which has to be dried at once, is transparent, very pliable, and has all the appearance of silk. It is either grey or black, but may receive any colour provided it be added to the solution before spinning.

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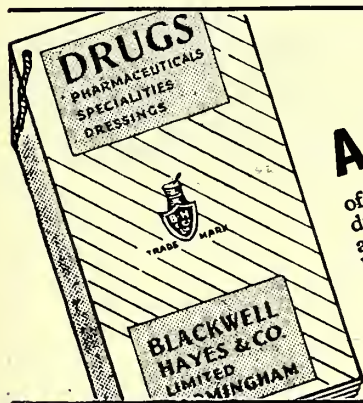
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BRONCHIAL and COUGH LOZENGES ● ASTHMA and CATARRH TABLETS

THE IMPROVED "PREMIER" TABLET MACHINE

Will stand up to the hardest work. (Full instructions for making tablets with each machine.) Price £14 - 14 - 0
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BUCKLEY-BOWKER TABLET CO., LTD.

MANUFACTURING CHEMISTS &
PHARMACEUTICAL ENGINEERS

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PRECIPITATED CHALK

LIGHTEST—MEDIUM—DENSE.
And All Other Grades To Suit Every Purpose.
Prepared Chalk B.P. and Powdered Talc.

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A. LEVERMORE & CO. LTD. ABC Codes.
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GUMS TRAGACANTH AND ACACIA

As Imported or Finely Powdered
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Let Your Customers SEE the Goods

C-CLEAR
5/- CARRIAGE PAID

Definitely Stops Steam
From Forming

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"Cernol" Capsules

REGD.
TRADE
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Now being prescribed for restoring Health and Vigour

30	Cernol Capsules	3/6	Retail
60	"	6/-	"
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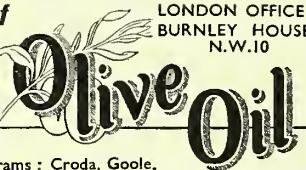
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THE GOLD MEDAL HEALTH DRINK. Quick Seller. Big Profits.
Over 60 years' Reputation. "Abdine" is obtainable from the Wholesale
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DUNCAN GLASHAN LTD., ABDINE WORKS, WESTFIELD RD., EDINBURGH

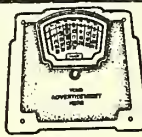
TRIBASIC PHOSPHATE of SODA

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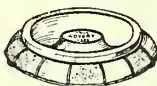
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Pill and Tablet Machines; Compact Powder Presses (hand);
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We have been supplying Contraceptives of all kinds now for over
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FINE CHEMICALS AND OPIUM DERIVATIVES

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ALL B.P. GRADES

70/75% B.P.
A specially rectified Oil of
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Packed in Cases and Drums

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80/85% B.P.
Distilled from E. POLYBRACHTEA
The finest B.P. Oil obtainable

All Grades can be relied upon to be Constant in Quality, Odour and Colour

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A pure superfatted soap introduced
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A superfatted hard soap especially
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Liquorice Juice

The Chemist's Brand

Should any enquiries as to the composition
of SOLAZZI be received from the Public,
Chemists are requested to emphasise the fact
that SOLAZZI is not included in the category
of Secret Remedies, and that the following
guarantee obtains with every parcel.

*Solazzi Juice is
guaranteed to consist entirely
of the condensed extract of
finest Calabrian Liquorice Root,
without any admixture whatever*

HOPKIN & WILLIAMS LTD.

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FINE CHEMICALS for RESEARCH and
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SERENOL

A new non-toxic biological
SEDATIVE



Indicated in conditions of anxiety and
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RETAIL PRICE 4/6 per 4 oz. bottle

No restrictions on sale

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PARAFFINUM LIQUIDUM B.P.
ALL SPECIFIC GRAVITIES GUARANTEED TO REMAIN BRIGHT AT 0°C

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WHITE AND HALF WHITE OILS

SEND FOR SAMPLES AND QUOTATIONS (WHOLESALE ONLY)

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Telephone - - - - - Sloane 3461 (7 lines)
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GLASGOW, LIVERPOOL, NEWCASTLE,
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Owing to improved method of manufacture and increased popularity of

MAGSORBENT

Regd.
Trade
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(THE ORIGINAL BRAND OF SYNTHETIC HYDRATED MAGNESIUM TRISILICATE)

POWDER

KAYLENE LIMITED

announce a substantial

PRICE REDUCTION

REDUCED PRICES

on and after DECEMBER 1st, 1937

2/6	...	2 oz. Carton	...	NOW 1/6
5/-	...	5 oz. Carton	...	NOW 3/-
40/-	...	3 lb. Carton	...	NOW 23/-

A NEW SIZE

16 oz. Carton price 8/9

(P.A.T.A.)

These prices apply to U.K. and I.F.S.

(Bonus Terms, 13 to dozen on 1 dozen orders).

All stocks of Magsorbent Powder should now be returned to us, and these will be replaced by the new priced packages. The value of the new containers which we will send you will more than cover the difference in price and your cost of returning the goods.

Supplies of the new priced packages will be in the hands of your usual wholesale house for despatch against your future orders.

MAGNESIUM TRISILICATE

BULK SUPPLIES

NOW

AVAILABLE

The quality of the magnesium trisilicate offered conforms accurately to the dictates of the constitutional formula and is the same as that used in the original investigations carried out by Dr. N. Mutch (B.M.J., 1936, 1, pp. 143, 205, 254, and B.M.J., 1937, 2, p. 735).

WRITE FOR PRICES

MANUFACTURED BY

KAYLENE LTD., WATERLOO ROAD, LONDON, N.W.2

YOU CAN INCREASE -

— your turnover and secure greater profits by exhibiting the attractive PAG JUNIOR Show Stand in your window.

Many chemists throughout the country are already profiting by the constant demand for the RIDDELL Asthma Treatment—the treatment that has received the unqualified approval of the medical profession.

Write to-day for full particulars.



FRANCIS RIDDELL LTD.

AXTELL HOUSE, WARWICK STREET, REGENT STREET, LONDON, W.1.

ANNOUNCEMENT

NAZONE LTD. have to announce bigger profits for agents and a NEW 6d. size NAZONE INHALANT.

Feature NAZONE this winter and sell more Inhalant than ever before.

Coupled with the world's best Inhalant, our new Sales Aids will put your Inhalant turnover up

50%

£2 orders assorted sizes Extra 10% carriage paid.

Best buying terms from

NAZONE LTD.

PHARMACEUTICAL DEPT.

TALBOT ROAD, BLACKPOOL

Paraffinum Liquidum B.P.

ALL
GRADES
SAMPLES & PRICES

On application
to

ALSO
TECHNICAL
QUALITIES

WHOLESALE ONLY
Sterns Ltd.
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Telephone: National 7644 (7 lines)
Telegrams: Centurixir, Phone, London



EXTRA PROFIT!

It pays to recommend Sanatogen for children's ailments...

Many chemists have treated Sanatogen as an adult Tonic food, but its beneficial action is not confined to adults alone. Its advantages in treating children's ills are stressed by the leading medical authorities, who prescribe it freely. You will be doing yourself a favour by so doing as it means repeat sales—extra profits—and the increased good will of your customers. Strike out for new sales by advising parents on the value of Sanatogen for children — Sanatogen enjoys public confidence — and your cash register will be kept busy as a result.

❁
Sanatogen advertising is constantly increasing—get the full benefit by linking up your window with the campaigns—attractive show material, and booklets for distribution, dealing with children's ailments, are available on request.



GENATOSAN LTD.,

LOUGHBOROUGH, LEICESTERSHIRE.

**PARAFFINUM
LIQUIDUM B.P.
HIGH VISCOSITY**

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**TECHNICAL WHITE
AND
HALFWHITE OILS**

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**WHITE PETROLEUM
JELLY**

PHARMACEUTICAL & TECHNICAL
QUALITIES

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Manufacturers of all kinds of Malt Products, Lactomaltine, Sunray Malt and Malt and Oil, Strenthol Vitamin Malt, Kem-Malt (Malt Extract with Parrish's Food), Kem-Malt and Oil (Malt and Oil with Parrish's Food), Bonum Irradiated Emulsion, Bonum Cod Liver Oil Emulsion, Sunray Vitamin Cream, Liquid Extract of Malt, Special Liquid Cascara, Cascara Cordial, Sunray and Lucca Cream Olive Oils, and General Packed Specialties.

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DOMOLENE The Miracle Ointment, Price 1/6.
stops Pimples, Boils, etc.
DOMOLENE-WOOL Stops Blood Poisoning
Price 1/6 (Trade) per
1/2-do. 6/9

NATIONALLY ADVERTISED

Of all wholesalers

DOMO REMEDIES LTD., Plantation House,
FENCHURCH ST., LONDON, E.C.3 'Phone: Mansion House 5754

Are you stocking

YESTAMIN?

Dried Yeast in its most concentrated and most convenient form—powder and tablets. Generous terms and good discounts. **Write today to:**
The YESTAMIN CO. (The English Grains Co. Ltd.) Shobnall Rd. Burton-on-Trent

FERBER CAPSULES

BULK or PACKED

Apiol Capsules
Apiol & Ergotine Capsules
Blauds Capsules
Blenosan Capsules
Carbon Tetrachloride Capsules
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Cinnamon & Quinine Capsules

Cod Liver Oil Capsules
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Gregory Powder Capsules
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Olive Oil Capsules
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etc., etc.

Manufacturers: Robert Ferber Ltd., Carlton Works, Asylum Rd., S.E.15

constant TURNOVER
consistent PROFITS

A CONSTANT turnover of the Beecham Products means consistent profits for your business.



The four famous Beecham Products—Beechams Pills, Beechams Powders, Beechams Lung Syrup and Lactopeptine are your security for big business. They are the best known products in the trade and the most consistent profit makers.

*Write for
FREE show
material*

BEECHAMS PILLS LTD.

ST. HELENS, LANCs.

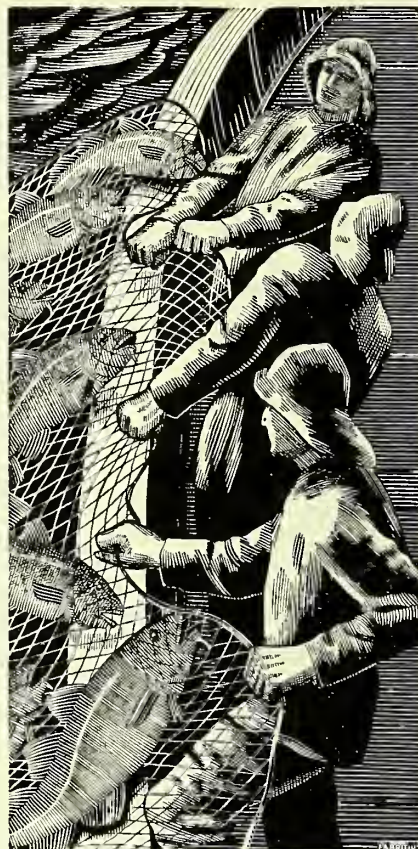
OLD THINGS ARE BEST



For a thousand years
Norwegian Medicinal
Cod Liver Oil has
been renowned as
Nature's own cure.

NORWEGIAN MEDICINAL COD LIVER OIL

WORLD-FAMOUS FOR QUALITY



DIRECT SHIPMENTS FOR CHEMISTS

SPECIAL

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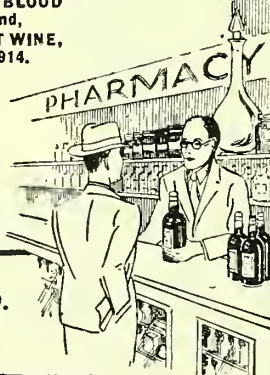
shipped expressly from our Spanish
House full duty. An excellent
Sherry of delightful flavour. Sup-
plied in bulk for manufacturing and
bottling purposes.

We also specially manufacture
"WIN FERRO" TONIC BLOOD
WINE 'GROWN' brand,
LIEBIG'S MEAT AND MALT WINE,
VIN FERRI CIT B.P. 1914.

Green Ginger, Raisin,
Cowslip, Spiced Elderberry,
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Purity fully guaranteed.
Full strength Australian Red,
Tawny and White wines,
Australian Sherry and every
kind of foreign wine.

DUMAS ★★ BRANDY
DOURADOS PORTS

Write for free samples and prices,
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LIVERPOOL, 3



INSTITUTE OF HYGIENE
INCORPORATED BY
ROYAL CHARTER



CERTIFICATE
AWARDED
IN RESPECT OF
"DORSELLA" MILK FOOD

ENGLISH DRIED MILK

Enquiries are solicited for the following:

FULL CREAM "DORSELLA" DRIED
MILK

HALF CREAM

SEPARATED "PARAGON"

CASUMEN, SOLUBLE MILK
PROTEID

SWEETWHEY, CRYSTALS OF
POWDER

KENCREAM FOR PUPPIES

UNITA (Dorsella and Casumen)

DRIED BUTTERMILK

Supplied in Bulk, Tins or Cartons

Quotations and samples gladly sent
on request.

PRIDEAUX'S, LTD.,
MOTCOMBE, SHAFTESBURY, DORSET

Telephone : Shaftesbury 4

'ASPRO' WINTER ACTIVITIES

A specially intensive 'ASPRO' advertising campaign is in progress—it will be continued right through the cold and 'flu period. As during last year the demand for 'ASPRO' tablets is rising steadily week by week. There is every sign that even last year's rocketing sales figures will be exceeded. This is significant—it means that more and more people are learning the value of 'ASPRO' service.

'ASPRO' winter advertising comprises over £100,000 worth of newspaper space—widespread broadsheeting—and a vast distribution to chemists of window display material and selling aids. Years of publicity on this scale have created hosts of permanent 'ASPRO' users in every town in the kingdom. It's because of this that 'ASPRO' displays are the most powerful sales-makers in existence—use them and you bring in NEW customers. So take part in this great winter activity—

JOIN IN WITH A PERMANENT 'ASPRO' DISPLAY

Here's the
latest one



'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Made in England by ASPRO LIMITED, Slough, Bucks.



Telephone: Slough 608

No proprietary right is claimed in the method of manufacture or the formula.



**PRESS
ADVERTISING
IN 300
PAPERS**

**BROADSHEETING
OVER HALF
THE COUNTRY**

**NEW SALES
AIDS**

**AVAIL YOURSELF OF
THE 'ASPRO' BONUS**

BONUS ON 5's & 10's

One gross order ... Bonus 1 dozen packets
Half gross order ... Bonus 1 dozen packets
Half gross of either size is the minimum order
accepted for bonus purposes.

BONUS ON 27's

One gross order ... Bonus 2 dozen packets
Half gross order ... Bonus 1 dozen packets
Quarter gross order Bonus 1 dozen packets
Quarter gross is the minimum quantity.

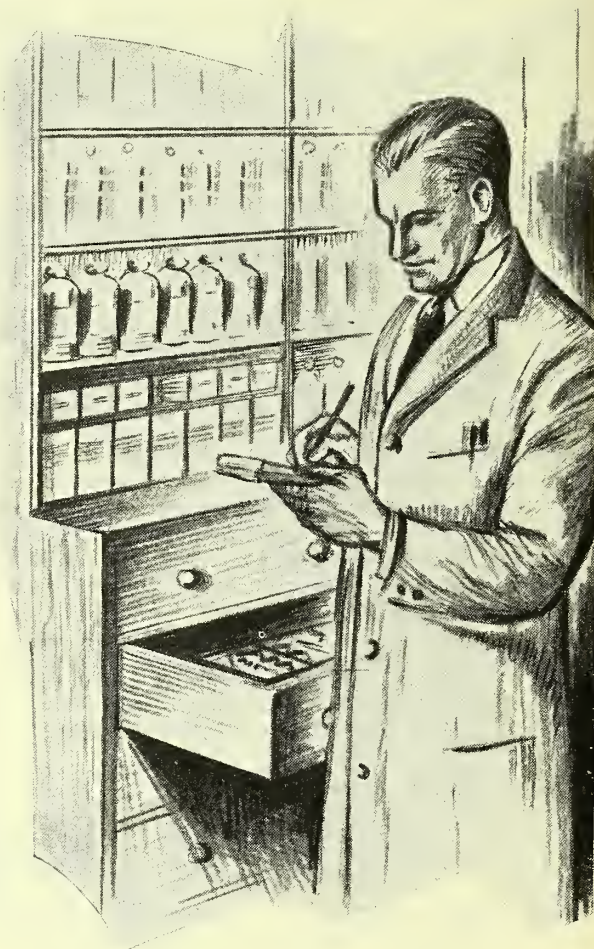
NO BONUS ON 60's

BONUS CONDITIONS—The only conditions made are that the Chemist who buys on these terms undertakes to show 'ASPRO' advertising matter in his shop window for 14 days and sell at advertised prices. Acceptance of Bonus is considered acceptance of conditions regarding display and selling prices.

MORFI

STOCKTAKING SHOWS MAXIMUM PROFITS RESULT FROM FREQUENT STOCK TURNOVER WITH MINIMUM STOCK DUPLICATION

It will be profitable for every chemist to eliminate slow-moving lines and concentrate on Morfi. He can be sure he is giving his customers the best brand which will give them fullest satisfaction. Repeat sales will ensure that stock is always fresh and no losses will result from deterioration. Take advantage of the December prices and order adequate stocks.



NOTE NEW PRICES ON AND AFTER JANUARY 1st, 1938, OWING TO INCREASE OF COST

All goods advanced 3/- per gross.

MORFI TRANSPARENT.	Retail 2/6	PACKET OF THREE.	30/-	per gross
" IVORY	Retail 2/-	PACKET OF THREE.	27/-	" "
FROMMS ACT.	Retail 3/-	PACKET OF THREE.	39/-	" "
TROPEX.	Retail 1/6	PACKET OF THREE.	21/-	" "

ALL ORDERS FROM NOW UNTIL JANUARY 1st EXECUTED AT OLD PRICES

Sole Morfi Distribution

HERBERT FROMM

29-31 OXFORD STREET, LONDON, W.1

Telephone : Gerrard 6258-9

Telegrams : Frommag, Rath, London



The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

DECEMBER 4,
1937

28 ESSEX STREET, LONDON, W.C.2

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for DISPOSAL, PREMISES TO LET and FOR SALE, PREMISES WANTED, PARTNERSHIPS, GOODS for SALE and AGENCIES—6/- for 50 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

SITUATIONS OPEN—6/- for 40 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column). (Box No., 1/- extra.)

MISCELLANEOUS (Wholesalers' Section for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less. (Box No., 1/- extra.)

EXCHANGE COLUMN (for Retailers, etc.)—Twopence per word, minimum 2/- (Box No., 1/- extra.)

REPLIES FROM ADVERTISERS—1/- per line; 3 lines 2/6.

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2
Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

CLOSING FOR PRESS

must reach us
not later than

FIRST POST THURSDAY MORNING

All advertisements intended for
insertion in this Supplement

ORRIDGE & CO.

56 LUDGATE HILL, E.C.4

ESTABLISHED 1846

Telephone Nos.: CITY 2283 & 7477

May be CONSULTED at their Offices on MATTERS OF SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements

We can arrange for a sum up to 50% of the total purchase price to be advanced upon the purchase of any approved business, subject to investigation. Applicant must furnish references and be able to invest the remainder of the purchase price himself.

1.—ILFORD (NEAR).—Main Road Cash Retail Business run under management; beautifully fitted pharmacy; takings last year £1,250; considerable scope; inclusive purchase price £600.

2.—FINCHLEY (NEAR).—High-class Retail Business, well established; takings £55-£57 per week; good profits; main road corner shop; stock worth about £600; valuable sublet; moderate rent; price about £2,000.

3.—ST. JOHN'S WOOD (NEAR).—Old-established High-class Retail Business; returns last year £3,865; net profit £907; excellent position occupied; valuable stock and fixtures; good living accommodation over; new lease will be granted or property can be purchased; valuation terms entertained.

4.—S.E. LONDON.—Very old-established General Retail Business making a net profit of about £5 per week; scope for big increase under young and energetic management; living accommodation available; new lease will be granted at £65, rising to £70 per annum; price £500 or offer; Vendor retiring.

5.—WEST END (NEAR).—High-class Business for sale owing to retirement; in present hands 35 years; returns well over £3,000 per annum; excellent profits; stock worth about £1,000; reasonable rent; valuable sublet; price £2,500, or valuation terms entertained.

6.—MIDDLESEX (FEW MILES OUT).—Good-class Suburban Business; takings over £50 per week; stock and fixtures estimated to be worth about £950; splendid living accommodation; inclusive purchase price £1,500 all at or near offer.

7.—ESSEX (NEAR COAST).—Cash Retail Business; returns about £50 per week; net profit about £600 per annum; long lease; stock and fixtures worth over £1,000; price £1,750 or near offer.

8.—CITY BUSINESS.—Excellent position; net profit about £700 per annum; long lease with option; minimum purchase price £2,000.

9.—LAMBETH.—Cash Drug Store; net profit about 50s. per week; considerable scope; living accommodation; purchase price £150.

10.—ELTHAM.—Main Road Cash Retail Business; takings between £60 and £70 per week; rent £225 per annum rising to £350; purchase price required £2,100 all at or near offer; valuable stock and fixtures.

11.—HARROW.—Owing to the death of Mr. W. Breingan his businesses in Harrow are for immediate disposal; the takings in each case are approximately £2,000 per annum and living accommodation is available at both premises; the Executors are anxious to sell forthwith and no reasonable offer will be refused; the concerns can be bought together or separately.

12.—LEYTON.—Cash and Photographic Drug Store; established in 1907; takings last year £890; good profits; nice living accommodation; rent £90 per annum; inclusive purchase price required £550, or valuation terms entertained.

13.—FULHAM.—General Retail Business with Photographic and Dispensing connection; in present hands 10 years; net profit over £500 per annum; inclusive purchase price required £850.

14.—FRINTON (NEAR).—Old-established Chemist Business for sale, also property; net profit about £600 per annum; price required for the goodwill £600; price required for premises £1,100; full particulars upon application.

15.—MIDLANDS.—Old-established Business with full Wine Licence; takings last year £2,979; Accountants' figures available; price required for property £1,750; price required for the goodwill £750; stock and fixtures worth about £900; full particulars upon application.

16.—LIVERPOOL.—Family Retail Business for sale; takings last year £1,549; net profit over £300; qualified assistant employed; stock worth £450; rent £70 per annum; price required for the fixtures and goodwill £525, stock to be taken at valuation.

17.—DEVON.—Mixed General Retail Business with papers; takings this year over £1,700; good living accommodation; rent only £28 per annum; price required £550 all at, or £200 for the lease and goodwill, the stock and fixtures at valuation.

18.—BIRMINGHAM.—Good Middle-class Cash Retail Business with increasing turnover; takings last year £1,000; net profit £332; rent £65 per annum; sublet £52 per annum; price required for the fixtures and goodwill £350 plus stock at valuation.

19.—HAMPSHIRE (RETIREMENT VACANCY).—General Family Retail Business; takings last year £1,542; considerable scope; stock worth £750, fixtures £350; nice living accommodation over; premises can be purchased or leased; no reasonable offer for the business refused.

20.—SUSSEX COAST.—Good-class Business with excellent Toilet and Perfumery Trade; in present hands 15 years; takings last year well over £3,500; net profit over £600; scope; lock-up shop; new lease; stock worth £1,400; inclusive purchase price required £2,500, or alternatively £750 for the lease and goodwill, the stock and fixtures to be taken at valuation.

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Correspondence, mutually confidential, is invited from prospective purchasers of the following businesses at present available for purchase.

(C1) SCOTLAND (NEAR BORDER).—Country business which draws upon heavily populated district; turnover (including round) upwards of £2,900 per annum; rent and rates of shop and house, £52 only; good photographic trade; goodwill asked £750, plus value of stock and fixtures, estimated at £1,500.

(C2) NORTH CHESHIRE.—Old-established; situated in town with population of about 125,000; under present ownership for past 30 years; turnover approximately £2,400 per annum; gross profit about 40 per cent.; good living accommodation; property can be purchased, or leased at £104 per annum; stock estimated at £1,000; fittings £350; goodwill asked £800; Proprietor retiring.

(C3) NOTTING HILL.—Very old-established; situated in main shopping street, near to populous, good-class area; turnover about £2,750 per annum, with excellent scope for increase; rent, after allowing for sub-lets, £90; lease 16 years unexpired; price £1,350, but first reasonable offer accepted as immediate sale desired.

(C4) HOUNSLOW (NEAR).—Increasing business of the lower, middle-class type; large panel; turnover for 1936/37, £2,819; gross profit £1,013; net over £650; rent £135; self-contained flat, with three bedrooms, bathroom, etc.; price £1,600 all-at; offers considered.

(C5) MIDDLESEX.—Progressive modern Pharmacy with flat above; turnover nearly £2,000 per annum; sub post-office, in addition, brings in a good salary; no near opposition; price £1,250 or near offer.

(C6) HARROW (NEAR).—Main-road business, situated in growing district; turnover £2,092; gross profit £803; living accommodation; price £1,250 or near offer.

(C7) SOUTHGATE (NEAR).—Increasing business occupying main road position in improving district; turnover upwards of £2,050 per annum; average gross profit about 35 per cent.; genuine reason for selling; net rent of shop £115, this for the site occupied, is particularly low; price £1,800 or near offer.

(C8) LONDON, N.W.—Main-road business, which has been very profitably run on "store" lines; turnover, 1936-37, £2,976; gross profit £990; net £702; living accommodation; owner taking up lucrative position outside pharmacy, and must sell as quickly as possible; price about £1,600, part of which can remain; £800 down and balance over an agreed period will be considered; open to offer.

(C9) WEST END.—Very old-established; turnover for 1936-37, £2,676; gross profit £1,532; net profit to working proprietor, £862; certified accounts; price £1,250 all-at.

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LIVERPOOL.—Old-established cash Business, with N.H.I. Dispensing, for sale owing to death of proprietor; well stocked; house accommodation if desired, low rental; price, goodwill, fixtures, etc., £150; stock at valuation. Hugh Jones & Lewis, Chartered Accountants, 8 Victoria Street, Liverpool, 2.

LONDON, N.E., Shopping Centre.—Drug Store, magnificent corner shop, living accommodation; owner must sell, other interests, and unable to supervise; recently opened; turnover first week over £11; great prospects for development; well fitted and stocked; all at £250. 182 Well Street, Hackney, E.9.

STIRLINGSHIRE.—Chemist's Business for disposal, due to ill-health of owner; easy in-going; stock and fittings at valuation. 316/488, Office of this Paper.

WEST RIDING.—For immediate disposal, established Business situate in district with 7,000 population, 3½ miles from Barnsley; average N.H.I. scripts exceed 500 per month. For further particulars apply Parkin S. Booth, The Association of Manufacturing Chemists, Ltd., 2 Bixteth Street, Liverpool.

(C10) STAMFORD HILL (NEAR).—Old-established, with steadily increasing turnover, now averaging at the rate of approximately £1,500 per annum; growing district; extensive living accommodation, which could be converted into two flats if desired; good garden and garage; rent £90; long lease; price £900 or reasonable offer; £500, or near, down, and balance over an agreed period will be considered.

(C11) EPSOM (NEAR).—Branch business with up-to-date flat, can be acquired at "bargain" figure for quick sale; turnover about £2,000 per annum, with excellent scope; growing district; price £850 all-at or £150 plus stock and fixtures at valuation; first reasonable offer above value of stock and fixtures, will be accepted.

(C12) DORSET (COUNTRY TOWN).—Increasing business for immediate sale owing to ill-health and retirement; turnover for 1936, £1,436; net profit £300-£350; definite scope; flat available if required; first reasonable offer accepted; returns for this year are expected to approximate £1,700.

(C13) DEVON.—Unopposed village business with good living accommodation, including garden; turnover approximately £1,600 per annum, and steadily increasing; immediate sale desired, and owner will accept £550 all-at; valuation terms if preferred.

(C14) CHISWICK (NEAR).—Excellent opportunity to acquire particularly good profit earning business with large N.H.I. and very low rental; present returns approximately £1,700 per annum; net profit to Owner-Proprietor £450/£500, with excellent scope for increase; price all at £850 or near offer, including valuable lease.

(C15) LINCOLNSHIRE.—Middle-class business with high percentage profit; turnover (certified) for 1936/37, £1,144; gross profit £521; house with four bedrooms, and up-to-date conveniences; rent £75; stock and fixtures estimated at £470; owner has agreed to purchase a business in the South, and will accept the first reasonable offer.

(C16) LONDON, E.C.—City Business with increasing turnover, now at the rate of about £2,200 per annum; no week-end duty; genuine reason for selling; price £750 all-at.

(C17) WILLESDEN.—Lock-up Pharmacy, well established; turnover for 1936-37, £1,063; gross profit £396; price £400 all-at (stock and fixtures only); near offer considered.

(C18) EDGBURY (NEAR).—Well positioned; turnover for 1936-37, £2,633; gross profit, £1,046; net, £633; certified accounts; up-to-date flat; price £1,500 all-at.

(C19) SHROPSHIRE (DEATH VACANCY).—Excellent country business for immediate disposal; yearly sales approximately £1,250; no opposition; good saleable stock, estimated at £300; rent £30; rates £8; immediate possession granted and first reasonable offer accepted.

CHEMIST'S and Optician's Business for sale; over £700 gross profit; can be purchased out of income; good business; must be sold; low expenses; scripts average 360 per month; turnover £1,632. 315/478, Office of this Paper.

DEATH VACANCY.—Old-established Chemist's and mixed trade; double-fronted shop and house to let at once; rent 50s. weekly, rates additional; stock at valuation; no other Chemist within a radius of 6 miles. E. N. Howe, Eynsham, Oxon.

DRUG STORES, London Main Road.—Turnover under Unqualified management £800, audited accounts; £130 per annum net profit guaranteed to buyer; N.H.I. can be added; premises overhauled and recently decorated; half-shop converted and ready for sub-letting if desired; 20 years' lease at £30 per annum; adjacent shops rented at £120 per annum upwards; stock and fittings at valuation, about £350; interviews granted to applicants making reasonable offer for goodwill and lease, subject to confirmation on viewing; unrivalled opportunity. 23/10, Office of this Paper.

FOR SALE.—Pharmaceutical Chemist's Business in Annan, Dumfriesshire, carried on by the late Mr. William Richardson; stock and fittings at valuation; goodwill very nominal; lock-up shop on main street; rent £45. Apply Murray, Little & Knox, Solicitors, British Linen Bank Buildings, Annan, Dumfriesshire.

FOR Quick Sale.—Snip at £350, easily worked Pharmacy in S.E. district; good working stock; health, age and lack of just a little extra capital cause of sale; good-class clientele and Christmas trade; excellent chance for young man. 24/28, Office of this Paper.

TO Dissolve Partnership.—Business opened eight months ago, now doing £20 cash and a few scripts, both steadily increasing each week; key position, next to only Post Office, in small Cheshire town; good living accommodation; extremely low overheads; good stock; modern windows; capital required, about £550; further particulars at interview. 23/14, Office of this Paper.

TWO Businesses for Sale in S.E. and S.W. London; owner leaving Retail; takings £25-£30 per week each; long, favourable lease; will accept £100 each and s.a.v. for quick sale; no snags; would sell separately. 24/46, Office of this Paper.

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BROOKMANS PARK (Herts).—Shop Premises to Let; real demand for Chemist and Druggist in this new district; excellent modern shops, good living accommodation over; new estate adjoining main-line station; 12½ miles Kings Cross; rental £130 per annum. Also other good shops at Hemel Hempsted (Herts). Wright, 28 Station Road, Watford.

MITCHAM.—New lock-up Shops, wonderful scope for Chemist, surrounded by large housing developments, flats and Hospital; excellent opportunity for one with small capital; shop fronts fitted; rent £75 per annum; six months rent free to first tenant. Apply G. T. Hodges & Sons, 281 London Road. Mitcham 3896.

NEW MALDEN.—Excellent Shops to be Let or Sold, each with two flats over, situated in centre of new estate, which is about a mile from nearest shops. Box No. 6, Homefinders, 74 Victoria Street, S.W.1.

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FACTORY Accommodation.—Large factory in South-East London has several thousand feet available for tenant whose manufactures would not conflict; available space is well separated from occupied portion of factory; facilities for supply of power, letter-press, tin-printing and wood boxes. Write Box 439, c/o Wills, Ltd., 300 High Holborn, London, W.C.1.

OPENING FOR CHEMIST AND DRUGGIST; excellent shop in main thoroughfare; just off West Ham Lane, close Stratford Broadway; fine shop, with large window and good upper part of four rooms, scullery, etc.; rear entrance; rent £75 p.a., exclusive; a 7-, 14-, 21-years' lease will be granted to substantial tenant; freehold might be sold on easy payment terms if required. Owner, 39 Moorgate, E.C.2. Met. 0507.

SHOP, with shop front as selected and living accommodation, to Let at moderate rental, Edgware district, midst well-developed estate; good-class property; real opportunity for Chemist. Apply, Cowen, Ealing 3543, or 197 Popes Lane, Ealing, W.5.

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TO BE LET.—Opposite Tube Station, large shop, with room behind; suitable position for Chemist; only wants inspecting. Apply Newman, 12 Turnpike Lane, N.8.

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AGENT, who is calling on Chemists and Perfumery Departments in large Stores, wanted to carry a side-line on commission basis, one sample only. Please apply to 316/487, Office of this Paper.

AGENTS Required, already calling on Chemists, Hairdressers and Stores, to handle well-advertised line. Apply in writing, giving full details of experience, territory, number of open accounts, etc., EBE Products, Ltd., 11 Diana Place, Euston Road, N.W.1.

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AN up-to-date, progressive house of Manufacturing Chemists, with a large, fully-equipped factory in London, invites enquiries from principals for the MANUFACTURE, PACKING AND DISTRIBUTION of Proprietary Pharmaceutical Preparations. Manufacturing Dept., 64 Hatton Garden, London, E.C.1.

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A reliable, practical and business-bringing partner is ready for you in the form of THE CHEMIST AND DRUGGIST DIARY AND YEAR-BOOK for 1938. If you are not already a subscriber to the C. & D. send your order NOW. Remittance may follow later. Twenty shillings will secure the 1938 DIARY and the C. & D. every week for twelve months.

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When sending advertisements for any of the columns of this Supplement, advertisers—as a guarantee of good faith and not necessarily for publication—should always give their names and addresses. It sometimes occurs that this rule is not adhered to and delay and disappointment ensue. Strict attention to this detail will be appreciated.

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A few vacancies occur in the large mailing list now being prepared for THE CHEMIST AND DRUGGIST DIARY AND YEAR-BOOK. If you are not already a subscriber and wish to receive a copy send your order NOW. There will not be another opportunity for 12 months. Remittance may follow later. Twenty shillings will secure THE DIARY for 1938 and the C. & D. every week for a year.

SITUATIONS OPEN

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BEDFORD.—Young Lady (Hall qualification) required to assist Lady Dispenser. Apply by letter, stating age, experience and salary required, to Secretary, Bedford Provident Dispensary and Public Medical Service, 3 St. Peters Street, Bedford.

EAST MIDLANDS.—Immediate vacancy for Unqualified Assistant for good-class business in country town; must be experienced in Display and Counter work; permanency to suitable applicant. Write 316/497, Office of this Paper.

LONDON, N.W.—Qualified Manager (male) required for shop in busy main road; offers unusual opportunity to first-class man, capable of maintaining existing business, which has been carefully and soundly built up; should be experienced in control of staff and have had previous experience in similar capacity. Applications (treated in strict confidence). Please state full particulars experience, etc., commencing salary expected, and when free; interview preferred. 24/43, Office of this Paper.

LONDON, S.E.20.—Smart Young Manager required. 316/500, Office of this Paper.

MANCHESTER.—Wanted Qualified Lady or Gentleman to manage a Pharmacy which is awaiting development; duties light and easy; pleasant shop in clean neighbourhood; suit Lady or middle-aged Gentleman. State salary, age, experience, etc., 316/495, Office of this Paper.

N.W.9. ENFIELD, Wanstead, Welling, Stoneleigh Park, Birmingham, Bristol.—Qualified Managers, with £200 or more capital, required immediately to take over shops. Apply for interview, stating age, experience, and when disengaged. Solicitor, 53 Woodstock Road, Golder's Green, N.W.11.

SHEFFIELD.—Qualified Man (25 to 35) for Counter; must have had experience in high-class business; knowledge of Doctors, Medical and Surgical Requisites, also Photography. State full details in first letter, of experience, including where apprenticed, when qualified, height, age, if single, salary required, when disengaged, enclosing photograph, to Mr. Austen, Newsholmes', Ltd., 27 High Street, Sheffield.

SOUTH WALES.—Wanted, an intelligent Junior (either sex); one just finished apprenticeship would suit. Apply, giving full particulars of experience, age, height, salary required (moderate to start), and when disengaged; enclose photo (to be returned), 24/30, Office of this Paper.

WEST LONDON.—Lady Assistant (Unqualified) required immediately; must be an accurate Dispenser and capable Sales-woman. Give details of experience in first letter and salary required; apply 24/40, Office of this Paper.

A QUALIFIED Lady or Gentleman wanted to manage small branch; must be good N.H.I. Dispenser and Window-dresser; permanency to suitable applicant. Apply, with full particulars, salary required, etc., C. A. Moore, M.P.S., 350 Eastern Avenue, Ilford, Essex.

A SSISTANT, Unqualified, male; near London; good prospects for a good all-round man; kindly give particulars of experience, age, salary required and when free. 24/18, Office of this Paper.

A SSISTANT, Unqualified, young, for general work, required at once. Strange, 185 Lower Clapton Road, E.5.

A SSISTANT, Unqualified (20 to 25 years) required, either sex; good opportunity for gaining valuable experience; full details of experience, etc. H. B. Sharman, 31 Green Lanes, Northwood, Middlesex.

A SSISTANT wanted (age about 30) for country town business within easy reach of London. Apply 24/22, Office of this Paper.

CHEMIST-OPTICIAN (F.S.M.C. or F.B.O.A.) wanted urgently, to manage a business with established connexions. Apply, giving full particulars, to Dan Davies, 324 Coldharbour Lane, S.W.9.

JUNIOR Assistant (lady) required for a Pharmacy in the Wallington area; previous experience preferred, but not absolutely essential. Reply, giving particulars and salary required, to "H. J.," 87A Thurlough Road, S.W.12.

JUNIOR Assistant, one just finished apprenticeship preferred; two others kept. Full particulars of experience, age, when disengaged and salary required, to W. N. Ashworth, Church Street, Weybridge.

QUALIFIED Assistant Manager (30-35), high-class business, S.E. London. Write 316/494, Office of this Paper.

QUALIFIED Chemist, young, required to take charge of branch Pharmacy. Apply, stating age, wage required, and experience, with copies of two recent testimonials (not returnable), to reach the Secretary, Co-operative Society, Ltd., Free School Lane, Lincoln, not later than Thursday, December 9, 1937.

QUALIFIED Lady Assistant required immediately after Christmas; experienced on Toilet Counter. Apply in writing in first place, stating age, experience and salary required, Harvey & Co. (Chemists), Ltd., 8 Onslow Place, South Kensington, S.W.7.

UNQUALIFIED Assistant, for good-class Family Dispensing; must be accurate Dispenser and possess pleasant counter manner; Window-dresser. Apply, giving fullest particulars, also salary, Watson, 23 High Street, Wimbledon, S.W.19.

UNQUALIFIED Assistant (Gentleman), wanted immediately after Christmas for good-class country Pharmacy; about one hour south of London; must be young, energetic, and neat and accurate Dispenser. Full particulars in first letter, 24/37, Office of this Paper.

UNQUALIFIED Assistant, Junior, single, after Christmas; please state salary required, experience and references. Vowles, Chemist, Wells, Somerset.

PHOTOGRAPHS, TESTIMONIALS, &c.

When replying to advertisements in this section applicants are strongly advised not to send (unless specially requested) ORIGINAL TESTIMONIALS or VALUABLE PHOTOGRAPHS. Many of these announcements produce an exceptionally large response and, as can be readily understood, the task of returning photographs, testimonials, &c., is one of some difficulty.

UNQUALIFIED Assistant wanted. Apply, with usual particulars, to J. Price, M.P.S., 42 Bath Street, Leamington Spa.

UNQUALIFIED Assistant wanted for small town in Midlands; able to assist in Dispensing and General Counter trade; age 20-26. Apply, giving age, experience and salary required, to 24/6, Office of this Paper.

WANTED, Qualified Lady or Gentleman for N.H.I. and Counter work; please state age and salary required, with references; North London. Apply 24/17, Office of this Paper.

WHOLESALE

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for (1) London, (2) Midlands, (3) South Coast

with a good connexion throughout these territories with chemists, hairdressers, and stores, are wanted by an established selling organisation carrying several good selling lines. Generous salary, commission and expenses paid to the right man, who should be young, active, and preferably a car owner.

Apply Box 316/491, Office of this Paper.

ASSISTANT Manager.—Applications are invited for position of Assistant Manager, Chemical Sundries Department, Shield-hall; applicants must have thorough knowledge of the manufacture of Medicinal Preparations, including Tablet-making, Household Cleaning Preparations, Food Specialities such as Custard Powder, Table Jellies, Milk Puddings, Baking Powder, etc., Spices and Peppers of all kinds, Toilet Preparations and Perfumery. Applications, stating, in confidence, age, qualifications, present employers, and salary required, with copies of testimonials, should be sent to Robert W. Leckie, Secretary, S.C.W.S., Ltd., 95 Morrison Street, Glasgow, in envelopes endorsed "Chemical Sundries," to be received not later than December 11, 1937.

FIRST-CLASS Shorthand Typist required for Medical Propaganda work; speeds not less than 140/70; good education, with knowledge of Medical terms essential; good commencing salary. Full particulars to 316/489, Office of this Paper.

FIRST-RATE Manager required, take full control and direct manufacture and all commercial activities of important Chemical and Pharmaceutical business; must have wide experience and connexions in the trade and technical knowledge; preference will be given applicants holding Diploma of Pharmacy or now holding directorship of important firm. Letters only, Box 0.80, Algar's, 58 Gracechurch Street, E.C.3.

LARGE Continental Chemical Manufacturers have vacancy on Scientific staff for young Pharmacist; required to draw up Medical literature, translations, etc.; thorough knowledge of German essential, French an advantage; would have to reside in Germany; bachelor. Apply with full details of qualifications, salary required, reference, etc., to 316/485, Office of this Paper.

MANUFACTURING Chemists (London), require fully-qualified Chemist (age about 30-35), as Assistant Works Manager. Wholesale manufacturing experience absolutely essential. Knowledge of Chemists' Packed Lines necessary, some Tablet experience an advantage. The position offers considerable prospects. Write in confidence, stating age, qualifications, experience, and salary required, 316/498, Office of this Paper.

PERFUMERY Salesmen wanted by J. & E. Atkinson, of 24 Old Bond Street, London, W.1. See advertisement on page 11 of "The Chemist and Druggist."

REPRESENTATIVE required with sound connexion in London and Southern Counties to introduce non-competitive pharmaceutical preparations to Co-operative Societies; generous terms offered. 316/493, Office of this Paper.

REQUIRED.—Young Man, with good experience in designing and manufacturing Powder Puffs, Toilet Bags (Holdalls), etc. Applications, giving full particulars, to 316/496, Office of this Paper.

SALES Vacancy.—Representative for leading Wholesale Chemist Sundries house; experienced in selling Chemist sundries to Retail (London or Home Counties); alternatively, connexion with Chemists for other products plus retail Chemist experience; Qualification preferred; applicants must apply in writing, enclosing photo; first-class sales record essential; successful applicant will be put through short intensive training; salary, generous commission, expenses paid, car supplied; all applications treated in strictest confidence. 316/486, Office of this Paper.

SHORTHAND-TYPIST required for City Wholesale Druggists; previous experience in the trade essential. Apply by letter giving fullest particulars and salary required to X.Y.Z., 316/499, Office of this Paper.

SURGICAL Instruments and Appliances, Dressings, etc.—Representatives required for London and Suburbs, calling on Doctors, Nursing Homes and Institutions; only those with good connexions entertained; first-class opportunity for really live men of good address and personality; salary, expenses and commission. Letters only, giving full particulars, in confidence, to Med-Vet Supplies, Ltd., 75 Sussex Road, South Croydon.

TABLET-MAKER and Sugar-Coater wanted for London Wholesale Druggists. 315/468, Office of this Paper.

COLONIAL, INDIAN AND FOREIGN

ST. MORITZ.—Qualified Male Assistant required for winter season (15 XII to 15 III), for high-class Retail and Dispensing; position calls for man of good address, with initiative, ability and tact; Salesman of proved merit, with Continental experience, speaking French and German preferred. Please send full particulars in first letter of experience, age, salary required, photo, and when disengaged, to Dr. W. Suter, Pharmacies Internationales, St. Moritz, Switzerland.

SITUATIONS WANTED

RETAIL (HOME)

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

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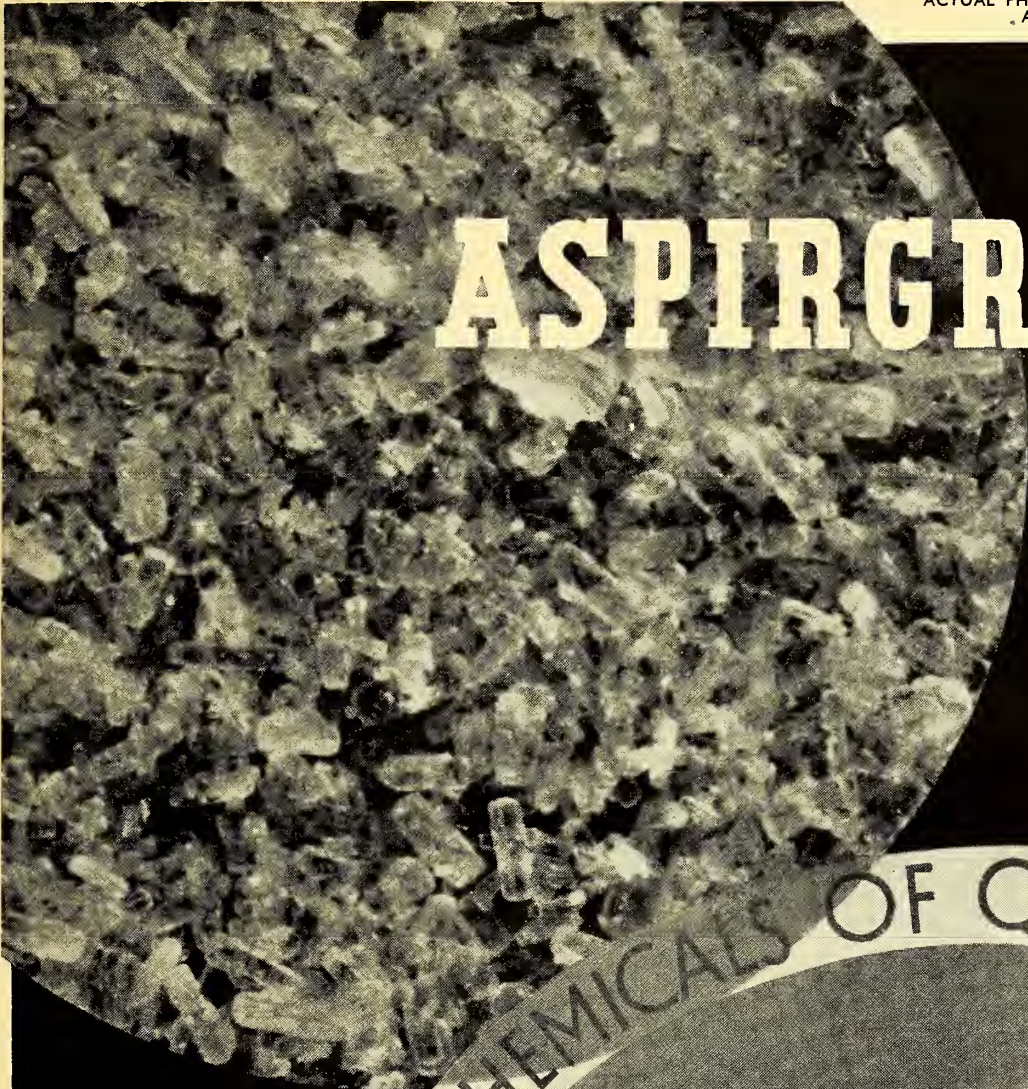
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